1,000 Random Multiple-Choice Trivia Questions

Use this key to check answers and read the explanations.

1. Which planet is best known for its prominent ring system?
   A. Earth B. Mars
   C. Saturn D. Venus
   Correct answer: C. Saturn
   Saturn's large, bright rings are made mainly of pieces of ice and rock. Other giant planets have rings too, so the wording matters.

2. Which planet is nicknamed the Red Planet?
   A. Mars B. Venus
   C. Mercury D. Neptune
   Correct answer: A. Mars
   Iron minerals in Martian dust oxidize, giving Mars its reddish appearance.

3. Which two actors played the leading roles in the 1997 film Titanic?
   A. Leonardo DiCaprio and Kate Winslet B. Tom Cruise and Nicole Kidman
   C. Keanu Reeves and Sandra Bullock D. Ben Affleck and Liv Tyler
   Correct answer: A. Leonardo DiCaprio and Kate Winslet
   The Academy's collection account identifies Leonardo DiCaprio and Kate Winslet as the stars of Titanic.

4. I slip into your novel when you put it down. Tomorrow I’ll point to the page where you stopped. What am I?
   A. Bookmark B. Book jacket
   C. Title page D. Library card
   Correct answer: A. Bookmark
   A bookmark sits between the pages and holds the reader’s place.

5. A visitor sees mirrors concentrating sunlight to heat a fluid that helps generate electricity. Which resource powers the plant?
   A. Solar energy B. Geothermal energy
   C. Tidal energy D. Biomass energy
   Correct answer: A. Solar energy
   The mirrors collect energy from sunlight. A concentrating solar-thermal plant uses it to heat a fluid.

6. Which French town hosted the events in 1924 that the International Olympic Committee later recognized as the first Winter Olympics?

A. Chamonix B. Albertville
C. Grenoble D. Nice

Correct answer: A. Chamonix
Chamonix hosted an international winter sports week in 1924. The IOC later recognized it as the first Olympic Winter Games.

7. Which leader does the official Mactan historical marker associate with local resistance to Ferdinand Magellan’s expedition in 1521?

A. Lapulapu B. Diego Silang
C. Emilio Aguinaldo D. Apolinario Mabini

Correct answer: A. Lapulapu
The National Historical Commission’s marker identifies Lapulapu as the leader at Mactan. The encounter took place on April 27, 1521.

8. Which character has ice powers in Frozen?

A. Elsa B. Anna
C. Kristoff D. Hans

Correct answer: A. Elsa
Elsa struggles to control the magical ice and snow she creates.

9. Where does Mardi Gras Day fall in the traditional New Orleans Carnival calendar?

A. On the final day of Carnival B. On the opening day of Carnival
C. At the midpoint of Carnival D. A full week after Carnival ends

Correct answer: A. On the final day of Carnival
Mardi Gras Day is the final Tuesday of Carnival. The season includes festivities leading up to that day.

10. Who became the first woman to fly solo across the Atlantic in 1932?

A. Amelia Earhart B. Bessie Coleman
C. Jacqueline Cochran D. Harriet Quimby

Correct answer: A. Amelia Earhart
Earhart made the solo crossing in a Lockheed Vega. The aircraft is now in the National Air and Space Museum.

11. In which California city did the first Disneyland park open in 1955?

A. Anaheim B. Burbank
C. Long Beach D. San Diego

Correct answer: A. Anaheim
The first Disneyland park opened to invited guests in Anaheim on July 17, 1955. The public could visit the following day.

12. Which fruit is traditionally the main ingredient in guacamole?

A. Avocado B. Mango
C. Lime D. Tomato

Correct answer: A. Avocado
Avocado supplies guacamole's creamy base; lime and tomato may be added.

13. Which lab note records quantitative data?

A. The spinner turned 18 times. B. The paper looked glossy.
C. The spinner made a faint hum. D. The air smelled smoky.

Correct answer: A. The spinner turned 18 times.
The turn count is a number measuring how often something happened. The other notes describe qualities.

14. What is the name of the trophy presented to the team that wins the Super Bowl?

A. Vince Lombardi Trophy B. George Halas Trophy
C. Lamar Hunt Trophy D. Walter Payton Award

Correct answer: A. Vince Lombardi Trophy
The Super Bowl trophy honors Hall of Fame coach Vince Lombardi.

15. A national flag has a single red disk centered on a white field. Which country uses that design?

A. Japan B. Bangladesh
C. Palau D. Tunisia

Correct answer: A. Japan
Japan's national flag has a red sun disk on white. The disk sits in the center.

16. Who played Lucy Ricardo on the original sitcom I Love Lucy?

A. Lucille Ball B. Vivian Vance
C. Ann Sothern D. Eve Arden

Correct answer: A. Lucille Ball
The Television Academy credits Lucille Ball as Lucy Ricardo. Vivian Vance played Lucy’s friend and neighbor Ethel Mertz.

17. On which date should a calendar put the annual observance called April Fools’ Day?

A. April 1 B. April 15
C. March 31 D. May 1

Correct answer: A. April 1
April Fools’ Day is observed on the first day of April. Historical accounts document the date in different countries.

18. Which fort in Charleston Harbor was the site of the Civil War's opening engagement?

A. Fort Sumter B. Fort Donelson
C. Fort Wagner D. Fort Pulaski

Correct answer: A. Fort Sumter
Confederate forces fired on the U.S. garrison at Fort Sumter in April 1861.

19. Which Michael Jackson album earned the 1984 Grammy for Album of the Year?

A. Thriller B. Off the Wall
C. Bad D. Dangerous

Correct answer: A. Thriller
The Recording Academy lists Thriller as Album of the Year at the 1984 Grammys. The album had been released in 1982.

20. Astronomers noticed that Uranus did not move exactly as expected. Which planet was found in 1846 after mathematicians predicted where a body causing that difference might be?

A. Neptune B. Jupiter
C. Saturn D. Mercury

Correct answer: A. Neptune
Urbain Le Verrier calculated a position for the unseen planet. Johann Gottfried Galle looked near that position and found Neptune.

21. In a diagram of Earth's systems, which sphere includes the liquid water in both a freshwater lake and the ocean?

A. Hydrosphere B. Atmosphere
C. Biosphere D. Geosphere

Correct answer: A. Hydrosphere
The hydrosphere includes liquid water at Earth's surface and underground. Lakes and oceans are both part of it.

22. Which player normally crouches behind home plate to receive pitches?

A. Catcher B. Shortstop
C. Third baseman D. Center fielder

Correct answer: A. Catcher
The catcher receives pitches behind home plate and helps defend the plate against advancing runners.

23. A civics class plans a trip to the United Kingdom's national capital. Which destination should it select?

A. London B. Manchester
C. Edinburgh D. Cardiff

Correct answer: A. London
London is the capital of the United Kingdom. The other choices are different cities within the country.

24. How many strings are on a standard acoustic guitar?

A. Six B. Four
C. Five D. Eight

Correct answer: A. Six
The standard six-string guitar uses E, A, D, G, B, and E in its usual low-to-high tuning.

25. Halloween is observed on which date?

A. October 31 B. October 30
C. November 1 D. November 5

Correct answer: A. October 31
Halloween is the evening before All Saints' Day on November 1.

26. Who took the first U.S. presidential oath in New York City in 1789?

A. George Washington B. John Adams
C. Thomas Jefferson D. James Madison

Correct answer: A. George Washington
Washington took the oath at Federal Hall. New York City was the temporary national capital.

27. In the first Harry Potter film, which platform at King’s Cross is used by students boarding the Hogwarts Express?

A. Platform 9¾ B. Platform 8¾
C. Platform 9½ D. Platform 10½

Correct answer: A. Platform 9¾
The train leaves from Platform 9¾. The story puts its hidden entrance in the barrier between platforms nine and ten.

28. A U.S. weather report groups three whole months into meteorological summer. Which months are in that group?

A. June, July, and August B. May, June, and July
C. July, August, and September D. August, September, and October

Correct answer: A. June, July, and August
In the Northern Hemisphere, meteorological summer uses June through August.

29. Which of these animals is a mammal, despite living its whole life in water?

A. Dolphin B. Shark
C. Trout D. Octopus

Correct answer: A. Dolphin
Dolphins breathe air and nurse their young; they are not fish.

30. A 1984 museum label describes a compact Apple computer with a built-in screen and a mouse. Which model is the label about?

A. Macintosh B. Apple I
C. Power Macintosh G3 D. iMac G3

Correct answer: A. Macintosh
Apple introduced the first Macintosh in 1984. The original machine had a built-in screen and a mouse.

31. A sequence starts 2, 4, 8, 16 and doubles each time. What comes next?

A. 32 B. 24
C. 30 D. 64

Correct answer: A. 32
The explicit doubling rule gives 16 × 2 = 32.

32. Which part of a green leaf cell should you label as the main site of photosynthesis?

A. Chloroplast B. Nucleus
C. Mitochondrion D. Central vacuole

Correct answer: A. Chloroplast
Chloroplasts contain the pigments and other cell machinery that carry out photosynthesis.

33. Which city hosted the first modern Olympic Games in 1896?

A. Athens B. Paris
C. London D. Rome

Correct answer: A. Athens
Athens, Greece, held the first Olympic Games of the modern era in 1896.

34. Which Philippine region includes the provinces of Leyte and Samar?

A. Eastern Visayas B. Central Luzon
C. Western Visayas D. Northern Mindanao

Correct answer: A. Eastern Visayas
The Philippine Statistics Authority lists Leyte and Samar in Region VIII, Eastern Visayas.

35. Which superhero's civilian identity is Peter Parker?

A. Spider-Man B. Batman
C. Superman D. Iron Man

Correct answer: A. Spider-Man
Peter Parker becomes Spider-Man after a spider bite in his origin story.

36. Under the Western Gregorian calculation, which day of the week is Easter Day?

A. Sunday B. Friday
C. Saturday D. Monday

Correct answer: A. Sunday
The month and date vary, but the calculation selects a Sunday each year.

37. Who escaped enslavement and returned to Maryland to help others reach freedom through the Underground Railroad?

A. Harriet Tubman B. Sojourner Truth
C. Ida B. Wells D. Mary McLeod Bethune

Correct answer: A. Harriet Tubman
After escaping, Tubman made repeated trips to assist others. The Underground Railroad was a network of people and routes.

38. In which Mississippi city was Elvis Presley born in 1935?

A. Tupelo B. Jackson
C. Natchez D. Meridian

Correct answer: A. Tupelo
Elvis was born in a two-room house in Tupelo on January 8, 1935. He spent much of his childhood there before his family moved to Tennessee.

39. A thesaurus is mainly used to find what?

A. Train schedules B. Synonyms and related words
C. Country borders D. Recipes

Correct answer: B. Synonyms and related words
A thesaurus groups words by related meanings.

40. Which observation describes weather rather than climate?

A. It rained for an hour this afternoon. B. Summers are usually dry in this region.
C. Winters here average several freezing weeks over many decades.
D. The region’s typical spring rainfall was calculated from decades of records.

Correct answer: A. It rained for an hour this afternoon.
Weather describes short-term conditions. Climate describes patterns and averages measured over longer periods.

41. How many points is an NFL touchdown worth before the extra-point or two-point attempt?

A. Six B. Three
C. Seven D. Eight

Correct answer: A. Six
A touchdown adds six points. The following try is scored separately.

42. Which ocean borders California on the west?

A. Pacific Ocean B. Atlantic Ocean
C. Arctic Ocean D. Indian Ocean

Correct answer: A. Pacific Ocean
California is on the Pacific coast of the United States.

43. Who directed the original 1978 Halloween?

A. John Carpenter B. Tobe Hooper
C. Wes Craven D. Sam Raimi

Correct answer: A. John Carpenter
John Carpenter directed the 1978 film and composed its score.

44. During the famous Times Square countdown, which illuminated object descends toward midnight?

A. A ball B. An hourglass
C. A ring D. A lantern shaped like a moon

Correct answer: A. A ball
Times Square’s countdown is marked by an illuminated ball lowered from a pole.

45. Which king ordered the land survey recorded in Domesday Book?

A. William I B. Henry II
C. Edward I D. Richard III

Correct answer: A. William I
William I ordered the survey. It recorded landholdings and other information for much of England in the late eleventh century.

46. Which group won the 1974 Eurovision Song Contest for Sweden with ‘Waterloo’?

A. ABBA B. Boney M.
C. Brotherhood of Man D. Teach-In

Correct answer: A. ABBA
ABBA performed ‘Waterloo’ at the contest in Brighton and earned Sweden its first Eurovision win.

47. A weather display says 22 °C. What is it reporting?

A. Temperature B. Wind speed
C. Rainfall amount D. Hours of daylight

Correct answer: A. Temperature
Degrees Celsius are used to measure temperature. Rainfall, wind speed, and daylight duration use different units.

48. What kind of rock forms when molten rock cools and solidifies?

A. Igneous rock B. Sedimentary rock
C. Metamorphic rock D. Loose sediment

Correct answer: A. Igneous rock
Igneous rock forms from a melt. The melt can cool underground as magma or at the surface as lava.

49. At full strength, how many players can a soccer team have on the field, goalkeeper included?

A. 11 B. 9
C. 10 D. 12

Correct answer: A. 11
An association football team can field up to 11 players, including its goalkeeper.

50. A map of France shows four city labels. Which one should have the national capital symbol?

A. Paris B. Lyon
C. Marseille D. Nice

Correct answer: A. Paris
Place the capital symbol on Paris. The other labels are French cities with different roles.

51. Which legume gives classic hummus its base?

A. Chickpeas B. Black beans
C. Green peas D. Red lentils

Correct answer: A. Chickpeas
Chickpeas, also called garbanzo beans, are blended with ingredients such as tahini and lemon to make classic hummus.

52. Which plant is traditionally associated with kissing beneath it at Christmas in Britain?

A. Mistletoe B. Lavender
C. Rosemary D. Sunflower

Correct answer: A. Mistletoe
Mistletoe became associated with Christmas kissing customs in Britain.

53. The Great Pyramid stands on a plateau near the ancient city of Memphis. Which plateau is it?

A. Giza B. Saqqara
C. Dahshur D. Abusir

Correct answer: A. Giza
The Great Pyramid of Khufu stands on the Giza Plateau alongside the pyramids of Khafre and Menkaure.

54. In The Empire Strikes Back, which planet is home to the snowy Rebel outpost Echo Base?

A. Hoth B. Bespin
C. Dagobah D. Tatooine

Correct answer: A. Hoth
Echo Base occupies caverns on Hoth, the ice-covered planet where the Rebels are stationed at the start of the film.

55. In the Northern Hemisphere, which three whole months make up meteorological fall?

A. September, October, and November B. August, September, and October
C. October, November, and December D. November, December, and January

Correct answer: A. September, October, and November
Meteorologists group September through November as fall for Northern Hemisphere seasonal comparisons.

56. Which two parts make up the name Juneteenth according to the National Archives?

A. June and nineteenth B. June and twentieth
C. July and nineteenth D. July and eighteenth

Correct answer: A. June and nineteenth
The name combines the month of June with the nineteenth day, the date remembered by the observance.

57. Which gymnast earned the first perfect 10 in Olympic gymnastics at the 1976 Montreal Games?

A. Nadia Comăneci B. Olga Korbut
C. Nellie Kim D. Ludmilla Tourischeva

Correct answer: A. Nadia Comăneci
Romania's Nadia Comăneci earned the first perfect score. The scoreboard displayed 1.00 because it lacked room for 10.00.

58. Which instrument first appeared on Guinness bottle labels in 1862?

A. Harp B. Fiddle
C. Accordion D. Tin whistle

Correct answer: A. Harp
Guinness dates the first appearance of its harp on a bottle label to 1862. Later versions of the design use fewer strings.

59. In a typical plant root cell, where is most of the cell’s DNA located?

A. Nucleus B. Cell wall

C. Central vacuole D. Cell membrane

Correct answer: A. Nucleus

Most of the cell’s DNA is organized into chromosomes in the nucleus. The cell wall, vacuole and membrane have other jobs.

60. What was the trophy called when it was awarded to the 1970 World Cup champions, four years before a new trophy debuted?

A. The Jules Rimet Trophy B. The Henri Delaunay Trophy

C. The Confederations Cup Trophy D. The Copa América Trophy

Correct answer: A. The Jules Rimet Trophy

Brazil received the Jules Rimet Trophy after its third title in 1970. FIFA commissioned a replacement for the 1974 tournament.

61. Acadia National Park includes much of Mount Desert Island. Which state has that coastline?

A. Maine B. Rhode Island

C. New Jersey D. North Carolina

Correct answer: A. Maine

Mount Desert Island is on the coast of Maine. Much of Acadia National Park lies on the island.

62. Which puzzle game did computer programmer Alexey Pajitnov create in 1984?

A. Tetris B. Columns

C. Puyo Puyo D. Puzzle Bobble

Correct answer: A. Tetris

The official Tetris history credits Pajitnov with creating the game in 1984.

63. What date is Earth Day observed each year?

A. April 22 B. March 22

C. May 22 D. June 22

Correct answer: A. April 22

April 22 marks the anniversary of the first nationwide U.S. Earth Day observance.

64. The Cold War is commonly described as a rivalry centered on which two countries?

A. The United States and the Soviet Union B. France and the United Kingdom

C. The Soviet Union and Canada D. The United States and Australia

Correct answer: A. The United States and the Soviet Union

The United States and the Soviet Union emerged from World War II as rival powers. Other countries took a range of positions in the resulting international order.

65. Which artist turned a childhood experience with a homemade coat into the 1971 country hit ‘Coat of Many Colors’?

A. Dolly Parton B. Tammy Wynette
C. Dottie West D. Barbara Mandrell

Correct answer: A. Dolly Parton
Dolly Parton wrote ‘Coat of Many Colors’ about a patchwork coat made for her when she was a child.

66. Which country contains the city of Kyoto?

A. China B. Japan
C. South Korea D. Thailand

Correct answer: B. Japan
Kyoto is a historic Japanese city; the later route question uses map scale instead of country recall.

67. A weather station needs the amount of rain that fell overnight, measured as a depth. Which instrument supplies that reading?

A. Rain gauge B. Wind vane
C. Thermometer D. Anemometer

Correct answer: A. Rain gauge
A rain gauge collects precipitation so its amount can be reported as a depth, such as millimeters.

68. Stephen Curry received the 2022 NBA Finals MVP award while playing for which team?

A. Golden State Warriors B. Boston Celtics
C. Dallas Mavericks D. Phoenix Suns

Correct answer: A. Golden State Warriors
Curry won the 2022 Finals MVP with the Warriors. Golden State defeated Boston in six games.

69. A class traces the Massachusetts state government on a map. Which city should they mark as the capital?

A. Boston B. Cambridge
C. Salem D. Worcester

Correct answer: A. Boston
Mark Boston. The other cities are in Massachusetts, but Boston is the state capital.

70. The title character in Paddington loves marmalade and comes from Peru. What kind of animal is he?

A. A bear B. An otter
C. A badger D. A raccoon

Correct answer: A. A bear
Paddington is a bear who comes from Peru and is welcomed into a family’s home.

71. What are the diyas that many people light for Diwali?

A. Small oil lamps B. Paper kites
C. Colorful wristbands D. Decorated bells

Correct answer: A. Small oil lamps
Maharashtra’s tourism department describes diyas as small oil lamps used to decorate homes and outdoor spaces during Diwali.

72. Which river's floods watered fields and deposited fertile soil in ancient Egypt?

A. Nile B. Euphrates
C. Jordan D. Tigris

Correct answer: A. Nile
The Nile's floodwaters spread across low ground and left sediment that helped sustain farming in the valley.

73. Which American television host’s show carried the Beatles’ live performance on February 9, 1964?

A. Ed Sullivan B. Dick Clark
C. Jack Paar D. Johnny Carson

Correct answer: A. Ed Sullivan
The Beatles played live on The Ed Sullivan Show that night, two days after arriving in New York.

74. Which artist painted the Mona Lisa?

A. Leonardo da Vinci B. Raphael
C. Michelangelo D. Sandro Botticelli

Correct answer: A. Leonardo da Vinci
Leonardo made the portrait, which the Louvre identifies as a painting of Lisa Gherardini.

75. Two bar magnets have their north ends facing each other with a small gap between them. What force does each magnet exert on the other?

A. A repelling force B. An attracting force
C. No force across the gap D. A force only on the heavier magnet

Correct answer: A. A repelling force
The two facing poles are both north, so each magnet pushes the other away across the gap.

76. Which green ogre starred in a 2001 animated film?

A. Shrek B. Sulley
C. Hulk D. Grinch

Correct answer: A. Shrek
DreamWorks released the original Shrek in 2001.

77. In which city would you find the Eiffel Tower?

A. Rome B. Paris
C. Madrid D. Vienna

Correct answer: B. Paris
The Eiffel Tower was built for the 1889 World's Fair in Paris.

78. Which symbol identifies the element oxygen on a periodic table?

A. O B. Ox
C. Og D. Os

Correct answer: A. O
O is oxygen. Og stands for oganesson and Os for osmium, so those two extra letters change the element.

79. Which circuit hosted the opening race of the inaugural Formula 1 World Championship in 1950?

A. Silverstone B. Monza
C. Spa-Francorchamps D. Bremgarten

Correct answer: A. Silverstone
The championship began with the British Grand Prix at Silverstone on May 13, 1950. Giuseppe Farina won that race.

80. What gives ordinary seawater its salty taste?

A. Dissolved salts B. Dissolved oxygen
C. Suspended sand D. Heat stored near the surface

Correct answer: A. Dissolved salts
Seawater contains dissolved ions. Sodium and chloride are the most abundant and are the ingredients of common salt.

81. Who is accidentally left behind in the original Home Alone?

A. Kevin McCallister B. Charlie Bucket
C. Billy Peltzer D. Ralphie Parker

Correct answer: A. Kevin McCallister
Kevin's family departs for Paris without realizing he is still at home.

82. In Hesiod’s Theogony, which group of goddesses are the daughters of Zeus and Mnemosyne, the personification of memory?

A. The Muses B. The Graces
C. The Fates D. The Seasons

Correct answer: A. The Muses
Hesiod names Mnemosyne as the Muses’ mother. The poem describes her nine daughters taking pleasure in song.

83. Which president became the first to live in the Washington, D.C., residence now called the White House?

A. John Adams B. George Washington
C. Thomas Jefferson D. James Monroe

Correct answer: A. John Adams
John and Abigail Adams moved into the president’s residence in 1800. They were the building’s first residents.

84. Which city hosted the 1968 Summer Olympics, the first Summer Games held in Latin America?

A. Mexico City B. Buenos Aires
C. Rio de Janeiro D. Lima

Correct answer: A. Mexico City
Mexico City hosted the 1968 Games. The International Olympic Committee identifies them as the first Olympics held in Latin America.

85. What is the largest living animal by mass?

A. Blue whale B. African elephant
C. Whale shark D. Giraffe

Correct answer: A. Blue whale
Blue whales outweigh every other living animal species.

86. Which organ pumps blood around the body?

A. Heart B. Liver
C. Stomach D. Thyroid

Correct answer: A. Heart
The heart’s muscular chambers contract to push blood through the circulatory system.

87. A shot reaches the goal with no infringement by the scoring team. What must happen for the referee to award a goal?

A. The entire ball passes over the goal line within the goal opening.
B. Part of the ball passes over the line within the goal opening.
C. The entire ball passes over the line anywhere along the end of the field.
D. The ball touches the inside of a post and bounces away without crossing the line.

Correct answer: A. The entire ball passes over the goal line within the goal opening.
Every part of the ball must cross the goal line in the space between the posts and below the crossbar.

88. The Statue of Liberty was given to the United States by the people of which country?

A. France B. Italy
C. Spain D. The Netherlands

Correct answer: A. France
The statue was a gift of friendship from France. It was dedicated in New York Harbor in 1886.

89. In which city is the main group of Friends characters based?

A. New York City B. Boston
C. Seattle D. Chicago

Correct answer: A. New York City
Friends is set in New York City. Its opening coffeehouse scene takes place in Manhattan.

90. On what date is St. Patrick’s Day observed in Ireland?

A. March 17 B. March 7
C. March 21 D. April 17

Correct answer: A. March 17
The feast of St. Patrick falls on March 17. Ireland marks it as a national public holiday.

91. Germany invaded which country on September 1, 1939, beginning World War II in Europe?

A. Poland B. Norway
C. Belgium D. Greece

Correct answer: A. Poland
Germany invaded Poland on September 1. Britain and France declared war on Germany two days later.

92. Whose 1955 recording of ‘Tutti Frutti’ appears in the Library of Congress National Recording Registry?

A. Little Richard B. Fats Domino
C. Bo Diddley D. Jerry Lee Lewis

Correct answer: A. Little Richard
The registry identifies Little Richard’s 1955 performance. He recorded the song in New Orleans.

93. What shape gives a wombat's droppings their famously unusual look?

A. Cubes B. Rings
C. Cones D. Spheres

Correct answer: A. Cubes
The cubes take shape inside the wombat. Researchers found that parts of the intestine stretch by different amounts and help form the flat sides.

94. A trailside tree has white bark that curls back in thin, papery strips. Which tree fits that clue?

A. Paper birch B. Black walnut
C. Eastern hemlock D. Red maple

Correct answer: A. Paper birch
Mature paper birches are recognizable by their light bark, which peels back in thin layers.

95. An NBA shooter starts a successful field-goal attempt from outside the long-distance arc with both feet behind the line. How many points is it worth?

A. Three B. One
C. Two D. Four

Correct answer: A. Three
A made field goal from beyond the arc earns three points when the shooter's position qualifies under NBA rules.

96. Which of these Chinese cities is the national capital?

A. Beijing B. Shanghai
C. Guangzhou D. Chengdu

Correct answer: A. Beijing
Beijing is China's national capital. The other choices are major cities with different roles.

97. What is the familiar nickname for the Academy Award of Merit statuette?

A. Oscar B. Emmy
C. Grammy D. Tony

Correct answer: A. Oscar
The Academy officially calls its statuette the Academy Award of Merit. It is widely known as the Oscar.

98. Which Thursday in November is the U.S. federal Thanksgiving holiday?

A. The fourth Thursday B. The first Thursday
C. The second Thursday D. The third Thursday

Correct answer: A. The fourth Thursday
The federal holiday falls on the fourth Thursday. In a November with five Thursdays, Thanksgiving comes before the last one.

99. The Parthenon stood on the Acropolis of Athens. Which goddess was the temple dedicated to?

A. Athena B. Hera
C. Artemis D. Demeter

Correct answer: A. Athena
The Parthenon was dedicated to Athena, the city's patron goddess.

100. Who directed Iron Man, the 2008 film starring Robert Downey Jr. as Tony Stark?

A. Jon Favreau B. Kenneth Branagh
C. Joe Johnston D. Louis Leterrier

Correct answer: A. Jon Favreau

Disney lists Iron Man as one of Jon Favreau’s directing credits. He also directed Iron Man 2.

101. Who served as U.S. president from the opening engagement at Fort Sumter through Lee's surrender at Appomattox?

A. James Buchanan B. Andrew Johnson
C. Abraham Lincoln D. Ulysses S. Grant

Correct answer: C. Abraham Lincoln

Lincoln took office in March 1861. He was still president when Lee surrendered in April 1865.

102. Which 1984 Prince and the Revolution album accompanied a film of the same name?

A. Sign o’ the Times B. 1999
C. Purple Rain D. Around the World in a Day

Correct answer: C. Purple Rain

Purple Rain was the album released alongside the 1984 film. It carried the Prince and the Revolution credit.

103. What crosses the bridge in J. M. W. Turner’s painting Rain, Steam, and Speed – The Great Western Railway?

A. A team of draft horses B. A covered wagon
C. A steam train D. A line of pedestrians

Correct answer: C. A steam train

Turner set the main action on the Maidenhead Railway Bridge, with the train approaching through the rain.

104. A cross section shows an underground layer of sand and gravel that stores groundwater and lets it flow through connected spaces. What is that water-bearing layer called?

A. A surface floodplain B. A reservoir behind a dam
C. An aquifer D. A drainage divide

Correct answer: C. An aquifer

An aquifer is a water-bearing layer of rock or sediment that can transmit groundwater through pores or cracks.

105. How many called balls does it take to earn an ordinary walk?

A. Three B. Two
C. Four D. Five

Correct answer: C. Four

Once the fourth ball is called, the batter is awarded first base. A walk is also called a base on balls.

106. A tour visits Hamburg and Munich before heading to Germany's federal capital. Which city is the final stop?

A. Cologne B. Frankfurt
C. Berlin D. Stuttgart

Correct answer: C. Berlin

Berlin is Germany's capital. The other choices are German cities outside the seat of the federal government.

107. Which instrument family includes timpani, the large bowl-shaped drums?

A. Woodwind B. Brass
C. Percussion D. Strings

Correct answer: C. Percussion

Timpani are tuned drums. An orchestral percussionist strikes the stretched heads with mallets.

108. Botanically, a pumpkin is classified as what?

A. A leaf B. A root
C. A fruit D. A stem

Correct answer: C. A fruit

Pumpkins develop from a flower's ovary and contain seeds.

109. Which country sold the Louisiana territory to the United States in 1803?

A. Great Britain B. Spain
C. France D. The Netherlands

Correct answer: C. France

The United States agreed to buy the territory from France. The purchase nearly doubled the size of the country.

110. Early in Chamber of Secrets, which visitor turns up in Harry’s bedroom to warn him against returning to Hogwarts?

A. Lucius Malfoy B. Hagrid
C. Dobby D. Nearly Headless Nick

Correct answer: C. Dobby

Dobby the house-elf arrives while Harry is staying with the Dursleys. He is trying to keep Harry away from danger at school.

111. A school compares June in Chicago with June in southern Australia. Which places are starting their colder season around then?

A. Both at the same time B. Places around Chicago
C. Places in southern Australia D. Neither during June

Correct answer: C. Places in southern Australia
Southern Australia is in the Southern Hemisphere, where June begins meteorological winter. Northern summer starts around the same time.

112. A polar bear's thick fur and fat primarily help it do what?

A. Move more quickly over ice B. Detect prey at long distances
C. Retain body heat D. Grip slippery rocks

Correct answer: C. Retain body heat
Insulation reduces heat loss in the Arctic environment.

113. Peter Venkman, Ray Stantz, Egon Spengler, and Winston Zeddemore start an unusual business in which 1984 film?

A. The Goonies B. Gremlins
C. Ghostbusters D. Beetlejuice

Correct answer: C. Ghostbusters
The four characters run a ghost removal business in the original Ghostbusters.

114. If today is Wednesday, what day is three days later?

A. Sunday B. Friday
C. Saturday D. Monday

Correct answer: C. Saturday
Thursday is one day later, Friday two and Saturday three.

115. A model of photosynthesis shows arrows for sunlight, water, and carbon dioxide. What does the sunlight arrow represent?

A. A gas that leaves the leaf B. Atoms that become part of the sugar
C. Energy that powers the process D. Water moving into the roots

Correct answer: C. Energy that powers the process
Light supplies energy. The atoms in the resulting sugar come from material inputs to the process.

116. Which U.S. athlete won four track and field gold medals at Berlin 1936?

A. Jim Thorpe B. Carl Lewis
C. Jesse Owens D. Bob Beamon

Correct answer: C. Jesse Owens
Jesse Owens won the 100 meters, the 200 meters, the long jump, and the 4 × 100-meter relay in Berlin.

117. Which language does Article XIV, Section 6 of the 1987 Philippine Constitution name as the national language?

A. Spanish B. English
C. Filipino D. Cebuano

Correct answer: C. Filipino
Section 6 names Filipino as the national language. Section 7 separately addresses official languages for communication and instruction.

118. Which band recorded Abbey Road?

A. Queen B. The Rolling Stones
C. The Beatles D. The Beach Boys

Correct answer: C. The Beatles
The Beatles released Abbey Road in 1969.

119. In the Church of England's calendar, which observance falls on the Sunday before Easter Day?

A. Ash Wednesday B. Pentecost
C. Palm Sunday D. Epiphany

Correct answer: C. Palm Sunday
Palm Sunday begins Holy Week. Easter Sunday comes one week later.

120. Who published an autobiography in 1845 recounting his life under slavery and his escape?

A. W. E. B. Du Bois B. Booker T. Washington
C. Frederick Douglass D. James Weldon Johnson

Correct answer: C. Frederick Douglass
Douglass's 1845 Narrative described his experience in his own words. It became part of his public work for abolition.

121. Which Tennessee city is home to Graceland, the estate where Elvis Presley lived?

A. Chattanooga B. Nashville
C. Memphis D. Knoxville

Correct answer: C. Memphis
The National Register lists Graceland at 3764 Elvis Presley Boulevard in Memphis.

122. How many minutes are in an hour and a half?

A. 120 B. 75
C. 100 D. 90

Correct answer: D. 90
One hour is 60 minutes and half an hour is 30.

123. An analyst wants to use NOAA’s conventional U.S. climate normals for a station. How long is the standard period used for those normals?

A. 5 years B. 1 year
C. 30 years D. 100 years

Correct answer: C. 30 years
NOAA’s conventional normals average measurements over a defined 30-year period. The same period lets people compare stations consistently.

124. How long is one regulation quarter in an NFL regular-season game?

A. 12 minutes B. 10 minutes
C. 15 minutes D. 20 minutes

Correct answer: C. 15 minutes
Regulation consists of four 15-minute quarters for a total of 60 game-clock minutes.

125. Which state is a chain of islands in the central Pacific Ocean?

A. Florida B. Alaska
C. Hawaii D. Rhode Island

Correct answer: C. Hawaii
Hawaii is a volcanic island chain in the Pacific. The other states have territory on the North American mainland.

126. Who directed the 1980 film adaptation of Stephen King’s The Shining?

A. John Landis B. Brian De Palma
C. Stanley Kubrick D. David Cronenberg

Correct answer: C. Stanley Kubrick
Stanley Kubrick directed the film starring Jack Nicholson and Shelley Duvall.

127. You are invited to a New Year’s Eve countdown in Madrid. Which fruit is traditionally eaten to the sound of the midnight chimes?

A. Olives B. Cherries
C. Grapes D. Raspberries

Correct answer: C. Grapes
The tradition is to eat a grape with each of the twelve chimes.

128. Which palace has the Great Hall that Henry VIII had built after taking over Thomas Wolsey’s residence?

A. Buckingham Palace B. Kensington Palace
C. Hampton Court Palace D. Palace of Holyroodhouse

Correct answer: C. Hampton Court Palace
Henry VIII took over Hampton Court from Cardinal Wolsey. Work on the present Great Hall began there in 1532.

129. Which band released the 1977 album Rumours?

A. Heart B. Eagles

C. Fleetwood Mac D. Electric Light Orchestra

Correct answer: C. Fleetwood Mac

Fleetwood Mac released Rumours in 1977. The album includes ‘Dreams’ and ‘Go Your Own Way.’

130. A map’s north arrow points toward the top of the page. On which side of the page is east?

A. The top edge B. The left side

C. The right side D. The bottom edge

Correct answer: C. The right side

When north points up, east is a quarter turn clockwise from north and lies to the right.

131. Which rock usually forms when sand grains are compacted and cemented together?

A. Slate B. Basalt

C. Sandstone D. Granite

Correct answer: C. Sandstone

Sandstone is a sedimentary rock made predominantly of sand-sized grains that have become bound together.

132. How many points does one successful NBA free throw score?

A. Three B. Two

C. One D. Four

Correct answer: C. One

Each made free throw adds one point. A player may be awarded more than one attempt for a foul.

133. A travel board routes players through Italy’s national capital. Which city does the board need?

A. Naples B. Milan

C. Rome D. Turin

Correct answer: C. Rome

Rome is the Italian capital. All four cities are in Italy, so the decision is about the seat of government.

134. What do maple syrup producers collect directly from maple trees?

A. Seeds B. Pollen

C. Sap D. Bark

Correct answer: C. Sap

Maple trees are tapped for their sap. Concentrating the sap produces maple syrup.

135. In Australia's four-season calendar, Christmas falls during which season?

A. Spring B. Winter
C. Summer D. Autumn

Correct answer: C. Summer

The four-season calendar places December in summer. Tropical Australia also uses wet and dry seasons.

136. Which volcano erupted in 79 CE and buried the Roman town of Pompeii?

A. Stromboli B. Mount Etna
C. Mount Vesuvius D. Mount Olympus

Correct answer: C. Mount Vesuvius

Vesuvius buried Pompeii and neighboring settlements. The deposits preserved evidence of life in the Roman town.

137. What is the name of the Republic's capital world in The Phantom Menace, where the city spans the whole planet?

A. Kashyyyk B. Naboo
C. Coruscant D. Kamino

Correct answer: C. Coruscant

The Republic's capital is Coruscant, a planet covered by a city with many levels.

138. A nature table has a collection of acorns under a picture of the tree that made them. Which tree belongs on the label?

A. Maple B. Birch
C. Oak D. Willow

Correct answer: C. Oak

Acorns are the fruits of oak trees.

139. Which name does the National Archives list as another name for Juneteenth?

A. Constitution Day B. Presidents’ Day
C. Freedom Day D. Flag Day

Correct answer: C. Freedom Day

Freedom Day and Emancipation Day are two names the archive gives for Juneteenth.

140. Which boxing film won Best Picture at the 1977 Academy Awards?

A. The Great White Hope B. Raging Bull
C. Rocky D. The Champ

Correct answer: C. Rocky

The Academy lists Rocky as the Best Picture winner at its 1977 ceremony. Irwin Winkler and Robert Chartoff received the award as producers.

141. Which instrument did Belgian maker Adolphe Sax patent in 1846?

A. Oboe B. Trombone

C. Saxophone D. Clarinet

Correct answer: C. Saxophone

The Metropolitan Museum of Art dates Sax's patent for the saxophone to 1846 and holds an alto saxophone he made.

142. Which part of an animal cell forms the boundary that regulates what enters and leaves it?

A. Ribosome B. Nucleolus

C. Cell membrane D. Mitochondrion

Correct answer: C. Cell membrane

The cell membrane separates the cell from its surroundings and helps control which substances can move across it.

143. Which men’s national team won the 2014 FIFA World Cup final against Argentina at the Maracanã in Rio de Janeiro?

A. The Netherlands B. Brazil

C. Germany D. France

Correct answer: C. Germany

Germany won 1–0. Mario Götze scored the only goal of the final in extra time.

144. A postcard shows Delicate Arch, the freestanding stone landmark in Utah. Which national park protects it?

A. Capitol Reef B. Zion

C. Arches D. Bryce Canyon

Correct answer: C. Arches

Delicate Arch is one of the best-known natural stone arches in Arches National Park.

145. Bandai Namco's official history credits Toru Iwatani with planning which arcade game first released in 1980?

A. Dig Dug B. Galaga

C. Pac-Man D. Pole Position

Correct answer: C. Pac-Man

Iwatani planned the original Pac-Man, which Namco introduced in 1980.

146. What year did people across the United States take part in the first nationwide Earth Day?

A. 1980 B. 1960
C. 1970 D. 1990

Correct answer: C. 1970
In 1970, people gathered at schools, universities, and community sites to draw attention to environmental issues.

147. What organization was created by the North Atlantic Treaty signed in Washington in 1949?

A. The Warsaw Pact B. The United Nations
C. NATO D. The European Economic Community

Correct answer: C. NATO
The founding treaty created the North Atlantic Treaty Organization, usually called NATO.

148. Which country singer recorded ‘Coal Miner’s Daughter’ and later published an autobiography with the same title?

A. Connie Smith B. Patsy Cline
C. Loretta Lynn D. Jean Shepard

Correct answer: C. Loretta Lynn
Loretta Lynn wrote and recorded the song. She used the title again for her autobiography, published in 1976.

149. In standard Western equal temperament, how many semitones span one octave?

A. 14 B. 8
C. 10 D. 12

Correct answer: D. 12
An octave spans twelve equal-tempered semitones.

150. A station reports a north wind. From which direction is the wind coming?

A. East B. South
C. North D. West

Correct answer: C. North
A wind is named for where it comes from. A north wind blows from the north toward the south.

151. Which team won its first NBA championship by defeating the Miami Heat in the 2023 Finals?

A. Utah Jazz B. Phoenix Suns
C. Denver Nuggets D. Indiana Pacers

Correct answer: C. Denver Nuggets
Denver clinched the series in Game 5. It was the Nuggets’ first NBA championship.

152. Which city goes on a label reading ‘Capital of Texas’?

A. Houston B. Dallas

C. Austin D. San Antonio

Correct answer: C. Austin

Austin is the state capital. Dallas, Houston and San Antonio are all Texas cities.

153. What surprise does night guard Larry discover after sunset in the first Night at the Museum?

A. The lights reveal a second museum underground. B. The building shrinks.

C. The exhibits come to life. D. The entrance moves to a different street.

Correct answer: C. The exhibits come to life.

Larry finds out that the museum displays wake up at night, including the big dinosaur skeleton.

154. When lighting a Hanukkah menorah, what is the role of the helper light called the shamash?

A. It measures the oil used for each light. B. It counts as the light for the first night.

C. It provides the flame for lighting the other lights.

D. It covers the wick after the lights burn out.

Correct answer: C. It provides the flame for lighting the other lights.

Reform Judaism’s guide explains that the shamash is the extra light used to kindle the lights that mark the nights of Hanukkah.

155. Which plant supplied the inner material for the writing sheets we call papyrus?

A. Flax B. Date palm

C. Papyrus sedge D. Barley

Correct answer: C. Papyrus sedge

Makers cut strips from the inner stem of the papyrus plant and pressed overlapping layers into sheets.

156. Which 1966 Beach Boys album contains both ‘Wouldn’t It Be Nice’ and ‘God Only Knows’?

A. Surfer Girl B. Wild Honey

C. Pet Sounds D. Friends

Correct answer: C. Pet Sounds

Both recordings appeared on Pet Sounds. The Beach Boys released the album in May 1966.

157. Which month gains an extra date in a Gregorian leap year?

A. March B. January

C. February D. December

Correct answer: C. February

February 29 brings the calendar year to 366 days.

158. Which tiny extensions on many plant roots absorb water from the soil?

A. Flower stalks B. Petals
C. Root hairs D. Leaf buds

Correct answer: C. Root hairs
Root hairs extend the root’s outer surface into the soil and help the plant take up water.

159. Which company introduced the iPod in 2001?

A. Samsung B. Sony
C. Apple D. Microsoft

Correct answer: C. Apple
The original iPod paired a small hard drive with Apple's music software.

160. Brazil is on which continent?

A. Asia B. Africa
C. Europe D. South America

Correct answer: D. South America
Brazil occupies a large part of eastern South America.

161. On a standard periodic table, what is a vertical column of elements called?

A. An isotope B. A period
C. A group D. A shell

Correct answer: C. A group
Groups run down the table. Periods run horizontally across it.

162. In Formula 1, what does pole position refer to?

A. The first available space in the pit lane B. The fastest lap recorded during the race
C. The front spot on the starting grid D. The top place in the season standings

Correct answer: C. The front spot on the starting grid
Pole is the first spot on the grid, ahead of all the other starting positions.

163. Which named ocean region does NOAA identify as surrounding Antarctica?

A. Indian Ocean B. Arctic Ocean
C. Southern Ocean D. Atlantic Ocean

Correct answer: C. Southern Ocean
The Southern Ocean is the named region of the global ocean that circles Antarctica.

164. What is the name of Will Ferrell's character in Elf?

A. Miles B. Walter
C. Buddy D. Leon

Correct answer: C. Buddy
Buddy grows up among elves before searching for his father in New York.

165. In Ovid’s retelling of the Midas story in Metamorphoses Book 11, what does the king ask to turn objects into by touching them?

A. Marble B. Silver
C. Gold D. Glass

Correct answer: C. Gold
Midas asks for a touch that turns things into gold. Ovid then shows the gift at work on ordinary objects such as a twig and a stone.

166. Which U.S. president designed his Virginia home, Monticello, and later oversaw a major rebuilding of it?

A. John Quincy Adams B. James Madison
C. Thomas Jefferson D. Martin Van Buren

Correct answer: C. Thomas Jefferson
Thomas Jefferson designed and redesigned Monticello over several decades. He completed the major rebuilding in 1809.

167. Which musical won Best Picture at the Academy Awards in April 1966, honoring movies released in 1965?

A. Oliver! B. Mary Poppins
C. The Sound of Music D. My Fair Lady

Correct answer: C. The Sound of Music
The Academy lists The Sound of Music as Best Picture at its 38th awards ceremony.

168. Which living land animal is tallest?

A. Ostrich B. African elephant
C. Giraffe D. Moose

Correct answer: C. Giraffe
A giraffe's long neck and legs make it the tallest living land animal.

169. Which kind of tissue usually attaches a skeletal muscle to a bone?

A. Articular cartilage B. Ligament
C. Tendon D. Bone marrow

Correct answer: C. Tendon
A tendon carries the pull of a muscle to the bone it moves. A ligament typically connects bone to bone.

170. The first men’s FIFA World Cup final took place in Montevideo in 1930. Which country won it?

A. Brazil B. Argentina
C. Uruguay D. Italy

Correct answer: C. Uruguay
Uruguay took the inaugural title with a 4–2 win over Argentina in the final.

171. What kind of building was the Colosseum built to be in ancient Rome?

A. An aqueduct B. A temple

C. An amphitheater D. A covered market

Correct answer: C. An amphitheater

The Colosseum is also called the Flavian Amphitheater. Its seating surrounded a central arena.

172. Who played Joey Tribbiani on the original Friends TV series?

A. David Schwimmer B. Matthew Perry

C. Matt LeBlanc D. James Michael Tyler

Correct answer: C. Matt LeBlanc

Matt LeBlanc played Joey. The Television Academy credits him with that role in its Emmy nomination records.

173. Which plant is traditionally worn as a small sprig on St. Patrick’s Day?

A. Heather B. Rosemary

C. Shamrock D. Ivy

Correct answer: C. Shamrock

A sprig of shamrock is traditionally worn on the day. The plant became one of the best-known symbols associated with Patrick.

174. Who addressed the U.S. Congress on December 8, 1941, asking it to recognize a state of war with Japan?

A. Herbert Hoover B. Harry S. Truman

C. Franklin D. Roosevelt D. Dwight D. Eisenhower

Correct answer: C. Franklin D. Roosevelt

Roosevelt addressed Congress the day after the attack on Pearl Harbor. Congress declared war against Japan that day.

175. Which musician played drums in Led Zeppelin’s original lineup?

A. John Paul Jones B. Jimmy Page

C. John Bonham D. Robert Plant

Correct answer: C. John Bonham

Led Zeppelin’s 1968 announcement lists Bonham on drums. Page played lead guitar, Jones handled bass and keyboards, and Plant sang lead vocals.

176. What gives flamingos the pigments that make their feathers pink?

A. Minerals from their nests B. Sunlight on their feathers

C. Food they eat D. A dye from their skin

Correct answer: C. Food they eat

Flamingos take in carotenoid pigments from their diet, including algae and small aquatic animals. The pigments color their growing feathers.

177. A park guide calls a broad, shelf-shaped growth on a decaying tree a dryad’s saddle. What kind of organism forms that growth?

A. A fern B. A moss
C. A fungus D. An insect

Correct answer: C. A fungus
Dryad’s saddle is a wood-decaying fungus. The visible shelf is its fruiting body, which is the part involved in releasing spores.

178. How long is one regulation quarter in an NBA game?

A. 10 minutes B. 8 minutes
C. 12 minutes D. 15 minutes

Correct answer: C. 12 minutes
The NBA plays four regulation quarters of 12 minutes each.

179. A conference says it will take place in Thailand's national capital. Which city should participants select as their destination?

A. Phuket B. Chiang Mai
C. Bangkok D. Khon Kaen

Correct answer: C. Bangkok
Bangkok is Thailand's capital. These other destinations are outside the capital.

180. Which filmmaking technique makes a physical object appear to move by adjusting it slightly between photographed frames?

A. Rear projection B. Time-lapse photography
C. Stop-motion animation D. Motion capture

Correct answer: C. Stop-motion animation
In stop motion, an animator moves an object between exposures. Played in sequence, the still images create the illusion of movement.

181. What bird is presented for the annual Thanksgiving pardon at the White House?

A. A duck B. A goose
C. A turkey D. A pheasant

Correct answer: C. A turkey
The bird in the White House ceremony is a turkey.

182. Which sanctuary hosted the ancient athletic festival that is the namesake of the Olympic Games?

A. Delos B. Delphi
C. Olympia D. Eleusis

Correct answer: C. Olympia
The ancient Olympic Games took place at Olympia, a sanctuary associated with Zeus.

183. In Thor (2011), from which realm is Thor sent to live among humans on Earth?

A. Jotunheim B. Sakaar
C. Asgard D. Vanaheim

Correct answer: C. Asgard
Thor is in line for the throne of Asgard. Odin sends him from there to Earth.

184. How many sides does a triangle have?

A. Two B. Three
C. Four D. Five

Correct answer: B. Three
A triangle is a polygon with three straight sides and three angles.

185. What object supplies most of the light and heat reaching Earth?

A. Jupiter B. The Moon
C. The Sun D. Polaris

Correct answer: C. The Sun
The Sun is the star at the center of our solar system.

186. Who became South Africa's president following its first democratic national elections in April 1994?

A. F. W. de Klerk B. Thabo Mbeki
C. Nelson Mandela D. Desmond Tutu

Correct answer: C. Nelson Mandela
South Africa held its first elections open to adult citizens of every race in April 1994. Nelson Mandela was inaugurated the following month.

187. On a door you can take hold of me. On a message board, I’m the name people know you by. What am I?

A. Profile B. Hinge
C. Handle D. Key

Correct answer: C. Handle
A handle is a grip and can also mean a username.

188. A working demonstration uses the natural heat of hot water rising from deep underground. Which source is the display about?

A. Biomass energy B. Wind energy
C. Geothermal energy D. Solar energy

Correct answer: C. Geothermal energy
Geothermal uses heat from Earth. Deep hot water can carry that heat to the surface.

189. Which two disciplines make up Nordic combined?

A. Moguls and aerials B. Giant slalom and downhill skiing
C. Ski jumping and cross-country skiing D. Speed skating and ski jumping

Correct answer: C. Ski jumping and cross-country skiing
Nordic combined brings together a ski jumping competition and a cross-country ski race.

190. Which figure does the Manila marker name among the founders of the Katipunan in 1892?

A. Sergio Osmeña B. Manuel L. Quezon
C. Andres Bonifacio D. Juan Luna

Correct answer: C. Andres Bonifacio
The founding marker includes Andres Bonifacio among the people who established the Katipunan in July 1892.

191. Nemo and his father Marlin are what kind of fish?

A. Swordfish B. Angelfish
C. Clownfish D. Pufferfish

Correct answer: C. Clownfish
The story's clownfish family lives in a sea anemone.

192. What date traditionally opens New Orleans Carnival with the observance locally called Twelfth Night?

A. January 1 B. December 24
C. January 6 D. February 14

Correct answer: C. January 6
New Orleans marks Twelfth Night on January 6. The 2026 Carnival proclamation names that date as the season’s traditional start.

193. Which astronaut became the first American woman in space on a 1983 Challenger mission?

A. Kathryn Sullivan B. Judith Resnik
C. Sally Ride D. Mae Jemison

Correct answer: C. Sally Ride
Ride flew as a mission specialist on STS-7 in June 1983.

194. Who won the Best Actress Oscar for Roman Holiday at the 1954 Academy Awards?

A. Deborah Kerr B. Grace Kelly
C. Audrey Hepburn D. Ava Gardner

Correct answer: C. Audrey Hepburn
The Academy lists Audrey Hepburn as its Best Actress winner for her performance in Roman Holiday.

195. In standard Monopoly, passing GO normally earns how much?

A. $250 B. $100
C. $200 D. $500

Correct answer: C. $200
The standard rules award $200 for passing or landing on GO.

196. Which idea can a class test by measuring salt dissolving in water?

A. Salt is the best material in science. B. Warm water has the most beautiful color.
C. Salt dissolves faster in warmer water.
D. Dissolving salt looks more interesting than ice.

Correct answer: C. Salt dissolves faster in warmer water.
The class can change water temperature and compare how long equal amounts of salt take to dissolve.

197. Which team defeated the Kansas City Chiefs in the championship game now called Super Bowl I, played in January 1967?

A. Oakland Raiders B. Dallas Cowboys
C. Green Bay Packers D. Baltimore Colts

Correct answer: C. Green Bay Packers
The Packers won the first AFL–NFL championship game, beating Kansas City 35–10.

198. Which country’s national flag has a green cedar in the center of a white band between two horizontal red bands?

A. Peru B. Austria
C. Lebanon D. Canada

Correct answer: C. Lebanon
Lebanon’s constitution places a green cedar in the middle of the white band. The two red bands run above and below the white band.

199. What starship does Captain James T. Kirk command in Star Trek: The Original Series?

A. U.S.S. Defiant B. U.S.S. Voyager
C. U.S.S. Enterprise D. U.S.S. Discovery

Correct answer: C. U.S.S. Enterprise
The U.S.S. Enterprise is the ship commanded by Kirk in the original 1966–1969 series.

200. The French expression poisson d’avril is associated with April Fools’ Day. What animal appears in its literal English translation?

A. A fox B. A hare
C. A fish D. A rooster

Correct answer: C. A fish
The expression translates as April fish. It can refer to a person who is fooled on the day.

201. Which film series features the Jedi?

A. Star Trek B. Star Wars
C. Dune D. The Matrix

Correct answer: B. Star Wars
Jedi are guardians associated with the Force in Star Wars.

202. In English Heritage's account of Victorian street food, which baked item did vendors offer for Good Friday?

A. Yorkshire puddings B. Hot cross buns
C. Mince pies D. Shortbread fingers

Correct answer: B. Hot cross buns
English Heritage describes spiced hot cross buns among the foods people could buy from street sellers on Good Friday.

203. Which U.S. tennis player broke a color barrier at Wimbledon by winning the women’s singles championship in 1957?

A. Wilma Rudolph B. Althea Gibson
C. Ora Washington D. Zina Garrison

Correct answer: B. Althea Gibson
Gibson became the first Black player to win a Wimbledon singles title in 1957. She won the women’s singles title there again in 1958.

204. Which film marked Elvis Presley's feature-film debut in 1956?

A. Loving You B. Love Me Tender
C. Blue Hawaii D. King Creole

Correct answer: B. Love Me Tender
Presley made his screen debut in Love Me Tender. The studio adopted the song title as the film's title before release.

205. Which animal is a mammal?

A. Dolphin B. Trout
C. Frog D. Sparrow

Correct answer: A. Dolphin
Dolphins breathe air and nurse their young, key mammal traits.

206. Which of these is a common greenhouse gas that absorbs outgoing infrared radiation?

A. Nitrogen gas B. Carbon dioxide
C. Oxygen gas D. Argon

Correct answer: B. Carbon dioxide
Carbon dioxide absorbs infrared radiation at particular wavelengths. The other options are major or minor air constituents that do not play this role in the same way.

207. Which offensive line position usually snaps the ball to begin a play from scrimmage?

A. Left guard B. Center
C. Right tackle D. Tight end

Correct answer: B. Center
The center normally starts the play by snapping the ball backward from the line of scrimmage.

208. Which country separates Alaska from the contiguous United States on a road trip?

A. Mexico B. Canada
C. Russia D. Greenland

Correct answer: B. Canada
Alaska shares its land border with Canada. Canada lies along the overland route between Alaska and the connected 48 states.

209. Which actor appears as Ripley in the 1979 film Alien?

A. Carrie Fisher B. Sigourney Weaver
C. Jamie Lee Curtis D. Glenn Close

Correct answer: B. Sigourney Weaver
The studio’s credits and production stills identify Sigourney Weaver as Ripley.

210. Which Scottish song associated with Robert Burns has become a New Year’s sing-along?

A. The Skye Boat Song B. Auld Lang Syne
C. My Bonnie Lies over the Ocean D. Loch Lomond

Correct answer: B. Auld Lang Syne
Auld Lang Syne is closely associated with New Year celebrations. Manuscripts and early printed versions connect it with Robert Burns.

211. Which Tudor succeeded Mary I on the English throne in 1558?

A. Edward VI B. Elizabeth I
C. Henry VIII D. Henry VII

Correct answer: B. Elizabeth I
Elizabeth I succeeded her half-sister Mary I in 1558. Elizabeth was the last Tudor monarch of England.

212. Which Queen studio album originally included the 1975 recording ‘Bohemian Rhapsody’?

A. A Day at the Races B. A Night at the Opera
C. Sheer Heart Attack D. News of the World

Correct answer: B. A Night at the Opera
Queen’s 1975 album A Night at the Opera includes ‘Bohemian Rhapsody’ on its second side.

213. A painting shows a baker sitting for a likeness. What kind of artwork is it?

A. A landscape B. A portrait

C. A still life D. A street map

Correct answer: B. A portrait

The baker is the subject of the painting. An artwork made to represent a person is a portrait.

214. Existing rock forms new minerals under high heat and pressure while remaining solid. What process does this describe?

A. Melting B. Metamorphism

C. Deposition D. Erosion

Correct answer: B. Metamorphism

Metamorphism changes an existing rock in the solid state. Heat and pressure can change the minerals and the rock's texture.

215. In a regular half-inning, how many outs must the fielding team record before the sides switch?

A. Two B. Three

C. Four D. Six

Correct answer: B. Three

Each team normally gets a turn at bat in an inning. Three outs end its half-inning.

216. Which city is the national capital of Spain?

A. Barcelona B. Madrid

C. Valencia D. Seville

Correct answer: B. Madrid

Madrid is Spain’s capital. Barcelona, Valencia and Seville are other Spanish cities.

217. What gives sushi its defining base even when the topping contains no fish?

A. Cold wheat noodles B. Vinegar-seasoned rice

C. Salted cucumber D. Pressed tofu

Correct answer: B. Vinegar-seasoned rice

Sushi is made with seasoned rice and can be paired with fish, egg, vegetables, or other ingredients.

218. The Spanish greeting 'Feliz Navidad' means what?

A. Happy birthday B. Merry Christmas

C. Good morning D. Happy Easter

Correct answer: B. Merry Christmas

Navidad is the Spanish word for Christmas.

219. Which modern country contains the Inca site of Machu Picchu?

A. Bolivia B. Peru
C. Ecuador D. Mexico

Correct answer: B. Peru
Machu Picchu sits high in the Andes in present-day Peru.

220. Which droid in The Force Awakens rolls on its ball-shaped body?

A. R2-D2 B. BB-8
C. C-3PO D. D-O

Correct answer: B. BB-8
BB-8 moves by rolling its round body, with a smaller domed head above it.

221. Leaves lose much of their green color before falling. Which green pigment breaks down?

A. Melanin B. Chlorophyll
C. Hemoglobin D. Carotene

Correct answer: B. Chlorophyll
Chlorophyll supplies the green color. As it breaks down, other colors can become visible.

222. In which city did local residents buy the land that became Emancipation Park for Juneteenth gatherings in 1872?

A. Dallas B. Houston
C. Fort Worth D. El Paso

Correct answer: B. Houston
The Historic American Landscapes Survey documents the purchase in Houston. The park became a site for community observances.

223. What item was scanned at the first commercial supermarket checkout to use a product barcode in 1974?

A. A can of soup B. A pack of chewing gum
C. A box of cereal D. A bar of soap

Correct answer: B. A pack of chewing gum
The first scan was a pack of Wrigley's gum at a Marsh supermarket in Ohio on June 26, 1974.

224. In which Japanese city is Haneda Airport?

A. Osaka B. Tokyo
C. Fukuoka D. Sapporo

Correct answer: B. Tokyo
Haneda Airport is in Ota City, a ward of Tokyo. Its official name is Tokyo International Airport.

225. Which structure on a cell diagram should be labeled as the place where proteins are assembled?

A. Vacuole B. Ribosome
C. Cell wall D. Centrosome

Correct answer: B. Ribosome
A ribosome links amino acids into a protein chain using information from messenger RNA.

226. Which country hosted the 1994 men’s FIFA World Cup?

A. Mexico B. The United States
C. Canada D. Brazil

Correct answer: B. The United States
The United States hosted the men’s tournament for the first time in 1994.

227. Which national park protects part of the slow-moving wetland often called the River of Grass?

A. Carlsbad Caverns B. Everglades
C. Saguaro D. Redwood

Correct answer: B. Everglades
The Everglades are shallow subtropical wetlands in southern Florida. Fresh water historically moved slowly through their broad sawgrass marshes.

228. Which handheld game system did Nintendo introduce in 2004 with two separate screens built into the device?

A. PlayStation Portable B. Nintendo DS
C. Sega Game Gear D. Game Boy Advance

Correct answer: B. Nintendo DS
Nintendo announced the DS in 2004 with two built-in displays and touch-screen input.

229. An Earth Day booth needs a box for carrying signs. Which choice is an example of reuse?

A. Send the old box to be made into new paper.
B. Carry the signs in a box saved from an earlier delivery.
C. Buy a new box and discard the old one.
D. Cut the signs smaller so they need less cardboard.

Correct answer: B. Carry the signs in a box saved from an earlier delivery.
Using the delivery box again gives it another job. Processing the cardboard into new paper would be recycling.

230. Which U.S. program provided aid to help rebuild European economies following World War II?

A. The Great Society B. The Marshall Plan
C. The New Deal D. The Apollo program

Correct answer: B. The Marshall Plan
The European Recovery Program became known as the Marshall Plan. It funded postwar recovery in participating European countries.

231. Which instrument was Bill Monroe known for playing as leader of the Blue Grass Boys?

A. Banjo B. Mandolin
C. Fiddle D. Upright bass

Correct answer: B. Mandolin
Monroe sang and played mandolin. His prominent solos helped establish the instrument as a lead voice in bluegrass.

232. What does 'annual' mean?

A. Once each year B. Once each month
C. Twice each week D. Every ten years

Correct answer: A. Once each year
Annual relates to a year or an event occurring yearly.

233. A weather map marks the boundary between a warm, moist air mass and a colder air mass. What is that boundary called?

A. A wind gust B. A front
C. A dew point D. A pressure reading

Correct answer: B. A front
A front is a boundary separating air masses with different characteristics, often different temperatures.

234. With which franchise did Bill Russell win all eleven of his NBA championships as a player?

A. Los Angeles Lakers B. Boston Celtics
C. Philadelphia 76ers D. New York Knicks

Correct answer: B. Boston Celtics
Russell played his thirteen NBA seasons for Boston and won eleven titles. He was also the Celtics’ player-coach for his last two championships.

235. An Arizona road trip ends in the state capital. Which destination is correct?

A. Flagstaff B. Phoenix
C. Tucson D. Yuma

Correct answer: B. Phoenix
The trip should end in Phoenix. The other three destinations are also in Arizona.

236. In the film Babe, what kind of animal learns to do a sheepdog’s job?

A. A duck B. A pig
C. A goat D. A horse

Correct answer: B. A pig
Babe is a piglet who learns to move sheep around the farm.

237. Which celebration of African American and Pan-African heritage runs from December 26 through January 1?

A. Hanukkah B. Kwanzaa
C. Diwali D. Vesak

Correct answer: B. Kwanzaa
The U.S. Postal Service’s Kwanzaa stamp announcement records the observance’s seven days, from December 26 to January 1.

238. In 1922 an excavation in the Valley of the Kings uncovered the tomb called KV62. Which ruler had been buried there?

A. Khufu B. Tutankhamun
C. Ramesses II D. Akhenaten

Correct answer: B. Tutankhamun
KV62 is Tutankhamun's tomb. Its burial chambers held an unusually well-preserved set of royal burial goods.

239. Which Motown group released ‘Where Did Our Love Go’ in 1964?

A. The Marvelettes B. The Supremes
C. The Temptations D. Martha and the Vandellas

Correct answer: B. The Supremes
‘Where Did Our Love Go’ began a run of hits for the Supremes written and produced by Holland–Dozier–Holland.

240. Which quantity would a meteorologist read from a barometer?

A. Wind speed B. Air pressure
C. Relative humidity D. Rainfall total

Correct answer: B. Air pressure
A barometer measures atmospheric pressure. Changes in pressure can help forecasters track weather systems.

241. A lamp above and to the left of an opaque toy is the only light near it. In which direction does the toy’s shadow stretch along the table?

A. To the left of the toy B. To the right of the toy
C. Up toward the lamp D. Equally in every direction

Correct answer: B. To the right of the toy
The toy blocks rays from the lamp. Its shadow lies on the side farther from the light, which is the right in this setup.

242. Which Nintendo console launched in 2006 with motion-sensitive controllers?

A. GameCube B. Wii
C. Nintendo 64 D. Switch

Correct answer: B. Wii
The Wii Remote brought motion control to a broad audience.

243. Which ocean lies between eastern Africa and western Australia?

A. Indian Ocean B. Atlantic Ocean
C. Arctic Ocean D. Southern Ocean

Correct answer: A. Indian Ocean
The Indian Ocean borders Africa, Asia and Australia.

244. A classroom chart places neon directly above argon. Which element family do both belong to?

A. Halogens B. Noble gases
C. Alkali metals D. Alkaline earth metals

Correct answer: B. Noble gases
Neon and argon are both in Group 18, the noble gases at the right edge of the table.

245. Which Formula 1 team is associated with the Prancing Horse emblem?

A. McLaren B. Ferrari
C. Williams D. Lotus

Correct answer: B. Ferrari
Formula 1’s history of Ferrari identifies the Prancing Horse as the team’s distinctive badge.

246. A sheltered coastal waterway receives fresh river water and salty ocean water. What is this kind of waterway called?

A. A tidal flat B. An estuary
C. A continental shelf D. A reef crest

Correct answer: B. An estuary
In a typical coastal estuary, freshwater from land mixes with saltwater from the ocean.

247. The Grinch's heart is described as how many sizes too small?

A. One B. Two
C. Three D. Four

Correct answer: B. Two
The story begins with a heart two sizes too small; it later grows three sizes.

248. The Metropolitan Museum of Art’s fragmentary bronze of Herakles shows an animal skin draped over his arm. Which animal does the museum identify?

A. A wolf B. A lion
C. A deer D. A horse

Correct answer: B. A lion
The museum points to the lion skin on the Roman statuette as a feature that identifies the Greek hero Herakles.

249. Which former president went on to serve as chief justice of the United States?

A. Grover Cleveland B. William Howard Taft
C. Benjamin Harrison D. Calvin Coolidge

Correct answer: B. William Howard Taft
Taft served as president from 1909 to 1913. He later became chief justice and served on the Supreme Court from 1921 to 1930.

250. A toy popular at Christmas in 1960 had knobs for drawing and a picture you could erase by turning it over and shaking it. What was it?

A. Lite-Brite B. Etch A Sketch
C. Spirograph D. View-Master

Correct answer: B. Etch A Sketch
The knobs on an Etch A Sketch move the drawing point. Turning over and shaking the toy clears the screen.

251. Which mountain has the highest summit above sea level?

A. K2 B. Mount Everest
C. Kilimanjaro D. Mont Blanc

Correct answer: B. Mount Everest
The sea-level definition matters: other mountains lead under different measurements.

252. Where would you place a tag marked femur on a full skeleton?

A. Forearm B. Thigh
C. Lower jaw D. Lower leg

Correct answer: B. Thigh
The femur is the thigh bone. Its upper end meets the pelvis at the hip and its lower end helps form the knee.

253. Which country staged the first FIFA Women’s World Cup in 1991?

A. Sweden B. China
C. United States D. Germany

Correct answer: B. China
China hosted the inaugural FIFA Women’s World Cup in 1991. Sweden, one of the visiting teams, finished third.

254. For which Egyptian ruler was the Great Pyramid of Giza built?

A. Khafre B. Khufu

C. Menkaure D. Djoser

Correct answer: B. Khufu

The largest of Giza's three main pyramids was built for Khufu. The other two were built for Khafre and Menkaure.

255. Which U.S. broadcast network originally carried the sitcom Friends?

A. ABC B. NBC

C. CBS D. Fox

Correct answer: B. NBC

Friends premiered on NBC. The Television Academy records the show’s Emmy entries under that network.

256. In a popular story about St. Patrick, which animals did he drive out of Ireland?

A. Wolves B. Snakes

C. Foxes D. Owls

Correct answer: B. Snakes

The story of Patrick banishing snakes is part of the folklore about him. The snake has become a familiar image at the festival.

257. A British newspaper calls May 8, 1945, VE Day. What do the letters VE stand for?

A. Veterans of Europe B. Victory in Europe

C. Voluntary Evacuation D. Victory of the Empire

Correct answer: B. Victory in Europe

VE Day marked Victory in Europe, when people celebrated Germany’s surrender. The conflict against Japan continued.

258. Ann and Nancy Wilson led which band to a 1970s hit with ‘Barracuda’?

A. Fleetwood Mac B. Heart

C. Blondie D. The Runaways

Correct answer: B. Heart

The Wilson sisters led Heart. The song’s publisher lists ‘Barracuda’ among the band’s hits from the 1970s.

259. Which mythical creature serves as Scotland's national animal?

A. Griffin B. Unicorn

C. Phoenix D. Dragon

Correct answer: B. Unicorn

The unicorn has long appeared in Scottish heraldry, making this national animal an unusual entry among real-world wildlife.

260. As the tide goes out, small hollows in a rocky shore remain filled with seawater. What are these hollows called?

A. Sandbars B. Tide pools
C. Salt marshes D. Estuaries

Correct answer: B. Tide pools
A tide pool forms when seawater remains in a depression in the rock after the surrounding water retreats.

261. An NBA player stops dribbling, holds the ball, and starts dribbling again without another player touching it. What is this violation commonly called?

A. Goaltending B. Double dribble
C. Backcourt violation D. Defensive three seconds

Correct answer: B. Double dribble
Starting another dribble after ending the first one is an illegal second dribble in this situation.

262. An attendance sheet lists Hanoi as a national capital. Which country belongs in its country field?

A. Cambodia B. Vietnam
C. Laos D. Thailand

Correct answer: B. Vietnam
Hanoi is Vietnam's national capital. The other countries have their own capital cities.

263. Which 1939 film is known for its shift from sepia-toned Kansas scenes to a vivid Technicolor fantasy?

A. Mr. Smith Goes to Washington B. The Wizard of Oz
C. Stagecoach D. Ninotchka

Correct answer: B. The Wizard of Oz
The film contrasts its sepia-toned Kansas scenes with the Technicolor look of Oz.

264. Growers often flood cranberry beds to collect the ripe fruit. What lets the berries rise to the top of the water?

A. Long stems that act as floats B. Air spaces inside the berries
C. Waterproof seed shells D. Thick outer layers of ice

Correct answer: B. Air spaces inside the berries
Cranberries have internal air spaces that allow them to float once loosened from the vine.

265. An Early Cycladic figure has a pale stone surface and arms folded across the body. Which material was this type of figure commonly carved from?

A. Bronze B. Marble
C. Terracotta D. Ivory

Correct answer: B. Marble
Many Early Cycladic figures, including this type with folded arms, were carved from marble.

266. Which member of the team in Guardians of the Galaxy (2014) resembles a walking tree?

A. Rocket B. Groot
C. Drax D. Gamora

Correct answer: B. Groot
Groot has a tree-like form. The film credits Vin Diesel as his voice.

267. In the sentence ‘The dog runs quickly,’ which word is the verb?

A. Runs B. Dog
C. The D. Quickly

Correct answer: A. Runs
Runs expresses the action. Dog is a noun and quickly describes how the action happens.

268. Which mission first landed humans on the Moon?

A. Apollo 8 B. Apollo 11
C. Gemini 4 D. Voyager 1

Correct answer: B. Apollo 11
Apollo 11 landed Neil Armstrong and Buzz Aldrin on the Moon in July 1969.

269. What did players look after on the tiny screen of Bandai's original Tamagotchi, introduced in 1996?

A. A virtual city B. A virtual pet
C. A virtual garden D. A virtual band

Correct answer: B. A virtual pet
Bandai launched Tamagotchi in Japan in 1996. Players cared for a virtual pet on an egg-shaped handheld device.

270. Beside a river I might be muddy. On Main Street I might look after your savings. What am I?

A. Bridge B. Bank
C. Safe D. Counter

Correct answer: B. Bank
A bank is land beside a river and also a place that accepts deposits.

271. Which material on a loading dock belongs in a demonstration of biomass rather than fossil fuel?

A. Coal from a mine B. Dry corn stalks left after harvest
C. Diesel refined from crude oil D. Natural gas from a fossil reserve

Correct answer: B. Dry corn stalks left after harvest
Leftover plant stalks are a crop residue and a potential biomass source.

272. In which Olympic sliding sport do singles competitors race on their backs, feet first?

A. Skeleton B. Luge
C. Bobsleigh D. Short-track speed skating

Correct answer: B. Luge
A luge athlete races feet first while lying on their back on the sled.

273. Who assumed the presidency when the Philippine Commonwealth began in 1935?

A. Manuel Roxas B. Manuel L. Quezon
C. Elpidio Quirino D. Ramon Magsaysay

Correct answer: B. Manuel L. Quezon
Quezon held the Commonwealth presidency from 1935 until his death in 1944. His official marker records both dates.

274. What animal is Simba?

A. Leopard B. Lion
C. Tiger D. Cheetah

Correct answer: B. Lion
Simba is the young lion at the center of the Pride Lands story.

275. What is a krewe in the New Orleans Carnival tradition?

A. A decorated vehicle in a parade B. A club organized to celebrate Carnival
C. A single gift distributed by a parade rider D. A printed map of the parade route

Correct answer: B. A club organized to celebrate Carnival
The Historic New Orleans Collection describes a krewe as a Carnival organization. Its activities may include a parade or a ball.

276. Who became the first woman elected to the U.S. Congress, representing Montana in the House?

A. Margaret Chase Smith B. Jeannette Rankin
C. Patsy Mink D. Shirley Chisholm

Correct answer: B. Jeannette Rankin
Montana elected Rankin to the House in 1916. She took her seat the following year.

277. Which U.S. territory became the 49th state in January 1959?

A. Hawaii B. Alaska
C. Puerto Rico D. Guam

Correct answer: B. Alaska
Congress passed the Alaska Statehood Act in 1958. A presidential proclamation in January 1959 made Alaska the 49th state.

278. What substance do bees collect from flowers to make honey?

A. Tree bark B. Nectar
C. Dew alone D. Leaf sap only

Correct answer: B. Nectar

Bees process nectar and reduce its water content to make honey.

279. A student changes the height of a ramp and records how far a toy car rolls past its end. What is the dependent variable?

A. Height of the ramp B. Distance the car rolls
C. Type of toy car D. Surface below the ramp

Correct answer: B. Distance the car rolls

The student changes ramp height and measures the resulting distance. That measured outcome is the dependent variable.

280. Which AFL team defeated the Baltimore Colts 16–7 in Super Bowl III in January 1969?

A. Kansas City Chiefs B. New York Jets
C. Oakland Raiders D. San Diego Chargers

Correct answer: B. New York Jets

The New York Jets won Super Bowl III, giving an AFL team its first victory in the championship series.

281. Which country uses a green flag with a large yellow diamond around a blue disk containing stars?

A. Bolivia B. Brazil
C. Colombia D. Uruguay

Correct answer: B. Brazil

Brazil's flag layers the yellow diamond over a green field. The blue disk also carries a curved white band.

282. Which Florida city does ABC’s series retrospective identify as home to Dorothy, Blanche, Rose, and Sophia on The Golden Girls?

A. Daytona Beach B. Miami Beach
C. Palm Beach D. Sarasota

Correct answer: B. Miami Beach

ABC identifies Miami Beach as the setting for the home the four roommates share.

283. A 1957 BBC television item showed people taking strands of what food from bushes as if they had grown there?

A. Blueberries B. Spaghetti
C. Almonds D. Rice

Correct answer: B. Spaghetti

Panorama staged a spaghetti harvest. Picking pasta from branches was part of the television joke.

284. Who became the provisional president of the Confederacy in 1861?

A. Robert E. Lee B. Jefferson Davis
C. Alexander H. Stephens D. P. G. T. Beauregard

Correct answer: B. Jefferson Davis
Davis took office as provisional Confederate president. Stephens served as vice president.

285. Which album was Cyndi Lauper’s 1983 solo debut?

A. True Colors B. She’s So Unusual
C. A Night to Remember D. Hat Full of Stars

Correct answer: B. She’s So Unusual
She’s So Unusual was Lauper’s first solo album. It included ‘Girls Just Want to Have Fun’ and ‘Time After Time.’

286. Which painting technique produces the many small points of color in Georges Seurat’s A Sunday on La Grande Jatte – 1884?

A. Sgraffito B. Pointillism
C. Fresco D. Woodcut printing

Correct answer: B. Pointillism
Seurat built up the image with small touches of color. That method is known as pointillism.

287. A map highlights the strip of land directly alongside a river, including its banks and streamside plants. What is this strip called?

A. The riverbed B. The riparian zone
C. The open-water zone D. The headwaters

Correct answer: B. The riparian zone
The riparian zone lies along the river channel and includes its banks and plants adapted to the streamside setting.

288. Which situation means the bases are loaded?

A. Runners are on first and second only B. Runners are on first, second, and third
C. Runners are on second and third only D. Only third base is occupied

Correct answer: B. Runners are on first, second, and third
The bases are loaded when each of the three bases has a runner.

289. A quiz card shows Brussels on the city side. Which country belongs on the other side if the cards pair national capitals with countries?

A. Luxembourg B. Belgium
C. Austria D. Denmark

Correct answer: B. Belgium
Brussels pairs with Belgium. It is Belgium's national capital.

290. A score has the dynamic marking f. How does the composer want that passage played?

A. Softly B. Loudly
C. More slowly D. With short notes

Correct answer: B. Loudly
The letter f stands for forte, a marking for loud volume.

291. What does Cinderella's fairy godmother turn into a coach?

A. A turnip B. A pumpkin
C. An apple D. A cabbage

Correct answer: B. A pumpkin
The pumpkin coach is a recognizable element of the Cinderella story.

292. Which federal research organization provided the core staff and laboratories for NASA when it opened in 1958?

A. National Science Foundation B. National Advisory Committee for Aeronautics
C. United States Geological Survey D. Civil Aeronautics Board

Correct answer: B. National Advisory Committee for Aeronautics
NASA incorporated the National Advisory Committee for Aeronautics and its research facilities when operations started in October 1958.

293. Near the end of Prisoner of Azkaban, what object does Hermione use to take Harry back in time?

A. A Remembrall B. A Time-Turner
C. A Deluminator D. An Invisibility Cloak

Correct answer: B. A Time-Turner
Hermione uses the Time-Turner so she and Harry can revisit events from earlier the same evening.

294. On a humid patio, beads of water form outside a sealed chilled bottle. What process made those drops?

A. Evaporation B. Condensation
C. Freezing D. Melting

Correct answer: B. Condensation
Water vapor from the surrounding air condenses into drops when it cools at the bottle’s surface.

295. Which stage comes between a caterpillar and an adult butterfly?

A. Egg B. Pupa
C. Tadpole D. Nymph

Correct answer: B. Pupa
During the pupal stage, the caterpillar's body transforms into the adult butterfly.

296. In the 1986 film Top Gun, what nickname goes with the character Pete Mitchell?

A. Goose B. Maverick
C. Iceman D. Viper

Correct answer: B. Maverick
Paramount’s credits identify Tom Cruise’s character as Pete ‘Maverick’ Mitchell.

297. Two separate triangles have how many sides in total?

A. Five B. Six
C. Seven D. Eight

Correct answer: B. Six
Each triangle has three sides, giving six across two separate triangles.

298. What are the tiny openings in a leaf surface that can widen or narrow to regulate gas exchange?

A. Veins B. Stomata
C. Root hairs D. Guard cells

Correct answer: B. Stomata
Stomata are the openings. A pair of guard cells controls the width of each opening.

299. Which sport added its first women’s Olympic medal events at London 2012?

A. Judo B. Boxing
C. Wrestling D. Rugby sevens

Correct answer: B. Boxing
Women’s boxing joined the Olympic program in London with three medal events.

300. Who painted Spoliarium, the large canvas displayed at the National Museum of Fine Arts in Manila?

A. Félix Resurrección Hidalgo B. Juan Luna
C. Fernando Amorsolo D. Carlos “Botong” Francisco

Correct answer: B. Juan Luna
The National Museum credits Juan Luna y Novicio and displays the painting in its Spoliarium Hall.

301. Panettone is a Christmas sweet bread associated with which country?

A. Greece B. Sweden
C. Mexico D. Italy

Correct answer: D. Italy
Panettone originated in Milan and often contains candied fruit and raisins.

302. Which charter did England's King John issue in 1215 after a dispute with his barons?

A. The Petition of Right B. Domesday Book
C. The English Bill of Rights D. Magna Carta

Correct answer: D. Magna Carta
King John issued Magna Carta under pressure from his barons. The 1215 charter set out limits and obligations for the king.

303. Who directed the first Star Wars film, released in 1977 and later known as A New Hope?

A. Steven Spielberg B. Irvin Kershner
C. Richard Marquand D. George Lucas

Correct answer: D. George Lucas
Lucasfilm credits George Lucas as the writer and director of the original 1977 film.

304. Which city hosts the original Oktoberfest at a site called Theresienwiese?

A. Zurich B. Berlin
C. Vienna D. Munich

Correct answer: D. Munich
Theresienwiese is the Munich site where Oktoberfest began in 1810.

305. What name did Public Law 117-17 add to the United States federal holiday list?

A. National June Jubilee B. Juneteenth National Heritage Day
C. June Freedom and History Day D. Juneteenth National Independence Day

Correct answer: D. Juneteenth National Independence Day
The law added Juneteenth National Independence Day to the list and specified June 19.

306. NASA's Viking 1 lander touched down on which planet in 1976?

A. Jupiter B. Venus
C. Mercury D. Mars

Correct answer: D. Mars
Viking 1 reached the surface of Mars on July 20, 1976. Its landing site was Chryse Planitia, a plain in the planet's northern hemisphere.

307. Which colour of snooker ball is worth seven points when potted legally?

A. Brown B. Pink
C. Blue D. Black

Correct answer: D. Black
The official snooker rulebook gives the black seven points, the pink six, the blue five and the brown four.

308. Which group represents one biological population at a pond?

A. All the species that visit any pond in the county
B. All the turtles, frogs and fish in that pond
C. All the water and sediment in that pond D. All the painted turtles living in that pond

Correct answer: D. All the painted turtles living in that pond
A population consists of individuals of the same species living in the same area. Several species living there make up part of a community.

309. Andrés Iniesta settled the 2010 final with an extra-time goal against the Netherlands. Which country did he score for?

A. Uruguay B. Portugal
C. Argentina D. Spain

Correct answer: D. Spain
Iniesta’s goal gave Spain a 1–0 win in South Africa and its first men’s World Cup title.

310. Which state contains Mammoth Cave National Park and its system of connected cave passages?

A. Missouri B. Virginia
C. Arkansas D. Kentucky

Correct answer: D. Kentucky
Mammoth Cave National Park is in south-central Kentucky. It protects the cave system and land above it.

311. Which Sega home console debuted in Japan in November 1998?

A. Master System B. Saturn
C. Mega Drive D. Dreamcast

Correct answer: D. Dreamcast
Sega's hardware archive records the Dreamcast's Japanese release on November 27, 1998.

312. What word describes a place where an animal finds the food, water, shelter, and space it needs?

A. Migration route B. Food chain
C. Life cycle D. Habitat

Correct answer: D. Habitat
A habitat is the place where the resources an animal needs are available in a suitable arrangement.

313. Which object, launched by the Soviet Union in 1957, became the first artificial satellite to orbit Earth?

A. Luna 2 B. Explorer 1
C. Vostok 1 D. Sputnik 1

Correct answer: D. Sputnik 1
Sputnik 1 was the first human-made object placed in orbit around Earth. Its launch drew worldwide attention to spaceflight.

314. In which city did station WSM start broadcasting the show that became the Grand Ole Opry?

A. Louisville B. Memphis
C. Austin D. Nashville

Correct answer: D. Nashville
WSM opened a studio in downtown Nashville in 1925. Its country music program developed into the Grand Ole Opry.

315. Which ingredient is a common acid in a baking-soda reaction?

A. Vegetable oil B. Table salt
C. Vinegar D. Plain flour

Correct answer: C. Vinegar
Vinegar contains acetic acid, which reacts with bicarbonate to release gas.

316. A map shows a pressure center of 1,002 hectopascals. The surrounding pressure is 1,008 hectopascals or more. How is the center classified?

A. A center with the same pressure as its surroundings B. A high-pressure center
C. A place with zero air pressure D. A low-pressure center

Correct answer: D. A low-pressure center
A low is identified relative to the surrounding area. The center reading is below all the surrounding values given.

317. Which NBA team became the first franchise based outside the United States to win the league title in 2019?

A. Portland Trail Blazers B. Vancouver Grizzlies
C. Seattle SuperSonics D. Toronto Raptors

Correct answer: D. Toronto Raptors
Toronto defeated Golden State in the 2019 Finals, delivering the first NBA championship to a team based outside the United States.

318. Which Hawaiian city belongs on a list of U.S. state capitals?

A. Lahaina B. Hilo
C. Kailua-Kona D. Honolulu

Correct answer: D. Honolulu
Honolulu is Hawaii’s capital. The three other choices are communities in Hawaii.

319. When Elle Woods goes to Harvard in Legally Blonde, what subject does she study?

A. Architecture B. Medicine
C. Journalism D. Law

Correct answer: D. Law
Elle enrolls at Harvard Law School. The movie follows her as she finds her place there.

320. In Japan, the koinobori streamers flown for Children’s Day are traditionally shaped like which fish?

A. Flounder B. Swordfish
C. Tuna D. Carp

Correct answer: D. Carp
Japanese Children’s Day falls on May 5. A traditional decoration is a carp-shaped cloth streamer called a koinobori.

321. Which woman ruled as a New Kingdom pharaoh, took the throne name Maatkare, and had statues made wearing the king’s headcloth?

A. Nefertari B. Tiye
C. Cleopatra VII D. Hatshepsut

Correct answer: D. Hatshepsut
Hatshepsut ruled as king in Egypt's Eighteenth Dynasty. Her statues use royal symbols that tied her to the office.

322. Which New York town actually hosted the Woodstock festival in August 1969?

A. Saratoga Springs B. Woodstock
C. Wallkill D. Bethel

Correct answer: D. Bethel
The festival kept the Woodstock name from its original plans. The performances ultimately took place on farmland in Bethel.

323. Which system represents letters with groups of short and long signals commonly called dots and dashes?

A. The phonetic alphabet B. Braille
C. Semaphore D. Morse code

Correct answer: D. Morse code
A telegraph operator could send a letter as a specific pattern of brief and longer pulses.

324. A shallow tray of water sits in sunshine. Its level falls even though the tray has no leak. Which change explains the falling level?

A. Some ice becomes liquid water. B. Some water vapor becomes liquid water.
C. Some liquid water becomes ice. D. Some liquid water becomes water vapor.

Correct answer: D. Some liquid water becomes water vapor.
Water can evaporate below its boiling point. Some molecules leave the liquid surface as water vapor.

325. Who played Harry Potter in the eight main film adaptations?

A. Robert Pattinson B. Rupert Grint
C. Tom Felton D. Daniel Radcliffe

Correct answer: D. Daniel Radcliffe
Grint played Ron and Felton played Draco; Radcliffe played Harry.

326. Which country is shaped like a boot on many maps?

A. Portugal B. Greece
C. Italy D. Denmark

Correct answer: C. Italy
The Italian Peninsula extends into the Mediterranean in a distinctive boot-like shape.

327. A pinch of salt dissolves completely in a cup of water. How should the clear liquid be classified?

A. Pure element B. Heterogeneous mixture
C. Pure compound D. Homogeneous mixture

Correct answer: D. Homogeneous mixture
The dissolved salt is distributed uniformly through the water. The liquid still contains both substances, which makes it a homogeneous mixture.

328. Which Grand Prix has raced through the streets of Monte Carlo?

A. Austrian Grand Prix B. Canadian Grand Prix
C. Dutch Grand Prix D. Monaco Grand Prix

Correct answer: D. Monaco Grand Prix
Monte Carlo is part of the Monaco Grand Prix route. Monaco appeared on the World Championship calendar in 1950.

329. Reef-building corals consist of tiny organisms called polyps. What kind of organisms are the polyps?

A. Algae B. Plants
C. Fungi D. Animals

Correct answer: D. Animals
Coral polyps are animals. Many reef-building corals live in close association with algae.

330. The train in The Polar Express travels toward which destination?

A. Neverland B. London
C. Narnia D. The North Pole

Correct answer: D. The North Pole
The journey carries children to the North Pole on Christmas Eve.

331. In Book 11 of Homer’s Odyssey, what repeated task does Odysseus see Sisyphus doing?

A. Planting seeds that the wind blows away B. Filling a jar with water from a spring
C. Weaving a cloth that unravels D. Pushing a large stone uphill

Correct answer: D. Pushing a large stone uphill
Sisyphus pushes a large stone uphill. It rolls back down as he nears the top, and he starts again.

332. Which nineteenth-century president returned to office in 1893, four years after his first term ended?

A. William McKinley B. Chester A. Arthur
C. Benjamin Harrison D. Grover Cleveland

Correct answer: D. Grover Cleveland
Cleveland’s first term ran from 1885 to 1889. He returned to the presidency in 1893 and served until 1897.

333. What did the crew of Apollo 8 achieve in December 1968?

A. The first spacewalk B. The first crewed landing on the Moon
C. The first crewed flight to a space station D. The first crewed orbit of the Moon

Correct answer: D. The first crewed orbit of the Moon
Apollo 8 took Frank Borman, Jim Lovell, and Bill Anders around the Moon. They were the first humans to orbit it.

334. Which ocean is largest by surface area?

A. Arctic B. Atlantic
C. Indian D. Pacific

Correct answer: D. Pacific
The Pacific covers more area than any other ocean.

335. Which dome-shaped muscle beneath the lungs is a main driver of quiet inhalation?

A. Gluteus maximus B. Triceps
C. Deltoid D. Diaphragm

Correct answer: D. Diaphragm
The diaphragm contracts and flattens, giving the chest cavity more room and helping air flow into the lungs.

336. A defender gets the last touch before the ball fully crosses their team’s goal line outside the posts. There is no foul. How does play restart?

A. The referee drops the ball. B. The defending team takes a goal kick.
C. The opposing team takes a throw-in. D. The opposing team takes a corner kick.

Correct answer: D. The opposing team takes a corner kick.
The ball went out across the defending team’s goal line, and the defender touched it last. That gives the opposing team a corner kick.

337. At the ancient city of Petra, what kind of rock forms the reddish cliffs into which many monuments were carved?

A. Basalt B. Granite
C. Marble D. Sandstone

Correct answer: D. Sandstone
Petra's rock-cut monuments stand amid red sandstone cliffs and gorges. Carvers shaped parts of the monuments directly from that rock.

338. Friends reached its 30th anniversary in 2024. In which year did the original sitcom premiere?

A. 2004 B. 1992
C. 1996 D. 1994

Correct answer: D. 1994
The first episode aired in 1994, thirty years before the 2024 anniversary.

339. Which river is famously turned green during the St. Patrick’s Day celebrations in downtown Chicago?

A. The Milwaukee River B. The Illinois River
C. The Mississippi River D. The Chicago River

Correct answer: D. The Chicago River
The city’s downtown festivities include coloring a stretch of the Chicago River green. The practice joined the local celebration in 1962.

340. A shopper in wartime Britain brings both money and a ration book. What was the ration book for?

A. Setting a weekly wage for each worker B. Recording the sales tax paid by each shop
C. Collecting voter registrations for local elections
D. Allocating limited goods across households

Correct answer: D. Allocating limited goods across households
Ration books helped distribute scarce essentials, including food, among the population.

341. Which rock band released the album Nevermind in September 1991?

A. Alice in Chains B. Pearl Jam
C. Soundgarden D. Nirvana

Correct answer: D. Nirvana
Nirvana’s official timeline dates the release of Nevermind to September 24, 1991.

342. Which U.S. city is home to an alley wall covered with pieces of chewed gum?

A. Boston B. Portland
C. San Francisco D. Seattle

Correct answer: D. Seattle
The Gum Wall is in Seattle's Pike Place Market. Patrons and performers from an improv theater started adding gum to the brickwork in the 1990s.

343. In a sheltered freshwater pond, broad round leaves float on the surface. Their long stalks lead to a plant rooted in the pond bottom. Which plant fits the description?

A. Duckweed B. Cattail
C. Milkweed D. Water lily

Correct answer: D. Water lily
Water lilies root in the bottom and send floating leaves up on stalks. This lets the leaves reach light at the surface.

344. What does AST count in an NBA player's box score?

A. Turnovers B. Steals
C. Rebounds D. Assists

Correct answer: D. Assists
AST is the abbreviation for assists. An assist credits a pass that directly leads to a teammate's made basket.

345. A quiz card calls Cebu City the capital of the Philippines. What should replace Cebu City?

A. Baguio B. Davao City
C. Iloilo City D. Manila

Correct answer: D. Manila
Manila is the capital of the Philippines. Cebu City is another Philippine city.

346. The mechanical shark models nicknamed Bruce were built for which 1975 movie?

A. The Man Who Would Be King B. The Hindenburg
C. The Eiger Sanction D. Jaws

Correct answer: D. Jaws
The production used full-scale mechanical shark models. The Academy Museum holds the sole surviving full-scale model linked to the film.

347. In which month does Canada observe its Thanksgiving holiday?

A. December B. September
C. November D. October

Correct answer: D. October
Canadian Thanksgiving falls on the second Monday in October.

348. What was the name of the open civic and commercial center of ancient Athens?

A. The Temple of Olympian Zeus B. The Parthenon
C. The Theatre of Dionysus D. The Agora

Correct answer: D. The Agora
The Agora was a hub of civic activity and commerce. Archaeologists have uncovered public buildings, shops, and other evidence of that activity.

349. In Black Panther (2018), what is the name of the fictional African nation T’Challa returns to?

A. Xandar B. Sokovia
C. Talokan D. Wakanda

Correct answer: D. Wakanda
T’Challa returns home to Wakanda. The country is the setting for much of the film.

350. At standard atmospheric pressure, what is the freezing point of pure water in degrees Celsius?

A. 100°C B. 32°C
C. 10°C D. 0°C

Correct answer: D. 0°C
Pure water freezes at 0°C under these conditions. The familiar 32-degree value uses the Fahrenheit scale.

351. Which planet has the greatest diameter in our solar system?

A. Earth B. Saturn
C. Neptune D. Jupiter

Correct answer: D. Jupiter
Jupiter is the largest planet, with a diameter roughly eleven times Earth's.

352. Which city hosted the 1992 Summer Olympics?

A. Sydney B. Atlanta
C. Seoul D. Barcelona

Correct answer: D. Barcelona
The 1992 Summer Olympics took place in Barcelona, Spain. Atlanta hosted the next edition in 1996.

353. A letter might reach you with me unbroken. At the coast you might watch me swim. What am I?

A. Float B. Stamp
C. Shell D. Seal

Correct answer: D. Seal
A seal can secure a letter or name a marine mammal.

354. A small photovoltaic cell powers a model fan in direct sunlight. What does the cell convert into electricity?

A. Heat from a separate boiler B. Rotation of the fan blades
C. Sound from the fan D. Light reaching the cell

Correct answer: D. Light reaching the cell
A photovoltaic cell converts light into electricity. That electricity can then run the fan.

355. A freestyle skier turns down a slope covered with rounded snow bumps and performs a jump at two points on the course. Which event fits that description?

A. Aerials B. Downhill
C. Ski cross D. Moguls

Correct answer: D. Moguls

A moguls course combines turns through the bumps and two jumps. The event evaluates turns and jumps and also takes the skier’s time into account.

356. Who became president of the Philippines during the February 1986 People Power transition?

A. Joseph Estrada B. Gloria Macapagal Arroyo
C. Fidel V. Ramos D. Corazon Aquino

Correct answer: D. Corazon Aquino

Corazon Aquino was sworn in on February 25, 1986. Her marker at Club Filipino records the presidential oath there.

357. What type of creature is Shrek?

A. Goblin B. Troll
C. Giant D. Ogre

Correct answer: D. Ogre

Shrek is an ogre whose quiet swamp life is interrupted by fairy-tale characters.

358. Which trio of colors does the Historic New Orleans Collection highlight for New Orleans Carnival?

A. Red, white, and blue B. Purple, blue, and silver
C. Green, red, and gold D. Purple, green, and gold

Correct answer: D. Purple, green, and gold

The museum’s Carnival kickoff materials feature purple, green, and gold as the familiar local palette.

359. Which Shoshone woman helped the Lewis and Clark expedition communicate during its journey west?

A. Zitkála-Šá B. Sarah Winnemucca
C. Wilma Mankiller D. Sacagawea

Correct answer: D. Sacagawea

Sacagawea helped the expedition communicate with Shoshone people. Her language skills were an important part of her contribution.

360. Which Brazilian player matched teammate Vavá’s two goals in the 1958 men’s World Cup final against Sweden?

A. Mário Zagallo B. Garrincha
C. Didi D. Pelé

Correct answer: D. Pelé
Pelé and Vavá each scored twice in the final. Brazil won 5–2 against host nation Sweden.

361. In soccer, which player may normally use their hands inside their own penalty area?

A. Any defender B. Striker
C. Winger D. Goalkeeper

Correct answer: D. Goalkeeper
Special handling permission applies to the goalkeeper, with additional restrictions.

362. A group tests a flower preservative by adding it to the water for one set of identical cut flowers. What should the comparison flowers receive?

A. Preservative in warmer water B. Preservative at double strength
C. Plain water in a much smaller vase D. The same amount of plain water

Correct answer: D. The same amount of plain water
Plain water gives a baseline under the same conditions. The intended difference between groups is whether the preservative is present.

363. Which team completed an unbeaten 1972 season by winning Super Bowl VII in January 1973?

A. Minnesota Vikings B. Pittsburgh Steelers
C. Dallas Cowboys D. Miami Dolphins

Correct answer: D. Miami Dolphins
The Dolphins defeated Washington in Super Bowl VII and finished 17–0 across the regular season and playoffs.

364. A national flag has a green Y whose arms begin at the two corners beside the pole and join toward the opposite edge. Which country adopted it?

A. Namibia B. Kenya
C. Ghana D. South Africa

Correct answer: D. South Africa
South Africa's flag has a green Y-shaped band. Its two branches meet and continue as one horizontal band.

365. Which educational television series debuted in 1969 following the creation of the Children’s Television Workshop?

A. The Electric Company B. Mister Rogers’ Neighborhood
C. Reading Rainbow D. Sesame Street

Correct answer: D. Sesame Street
Sesame Street first aired in November 1969. The Children’s Television Workshop developed it to bring early learning to preschoolers on television.

366. On April 1, 2004, Google really launched a service that sounded too generous to be true. What kind of service was Gmail?

A. Music streaming B. Weather forecasting
C. Video calling D. Email

Correct answer: D. Email
Gmail really was an email service. The April 1 timing and its then unusually large storage allowance made the launch sound like a joke.

367. Which Confederate commander led the Army of Northern Virginia at Gettysburg?

A. Joseph E. Johnston B. Stonewall Jackson
C. Braxton Bragg D. Robert E. Lee

Correct answer: D. Robert E. Lee
Lee led that army into Pennsylvania, where it fought the Union Army of the Potomac in July 1863.

368. Which 1986 Bon Jovi album included ‘Livin’ on a Prayer’?

A. Keep the Faith B. New Jersey
C. 7800° Fahrenheit D. Slippery When Wet

Correct answer: D. Slippery When Wet
‘Livin’ on a Prayer’ was on Slippery When Wet, Bon Jovi’s third studio album.

369. Which observatory was chosen as the reference for zero longitude at the 1884 International Meridian Conference?

A. The U.S. Naval Observatory B. The Paris Observatory
C. The Berlin Observatory D. The Royal Observatory at Greenwich

Correct answer: D. The Royal Observatory at Greenwich
The delegates chose the meridian through the transit instrument at Greenwich. The conference itself took place in Washington, D.C.

370. Which purchasing choice reduces packaging waste at the source for a school receiving the same books?

A. Receive the same amount of compostable packaging and compost it.
B. Receive the same amount of packaging and recycle it.
C. Receive the same amount of packaging and send it to landfill.
D. Choose a shipment that leaves off unnecessary individual wrappers.

Correct answer: D. Choose a shipment that leaves off unnecessary individual wrappers.
Leaving off unnecessary wrapping prevents that waste from being generated. Recycling handles materials after they have already been used.

371. How many innings is a standard Major League Baseball game scheduled to play?

A. Ten B. Seven
C. Eight D. Nine

Correct answer: D. Nine
A standard MLB game is scheduled for nine innings. It can play extra innings if tied, and the home team can win without batting in the bottom of the ninth.

372. Which entry should appear under Austria in a guide to European national capitals?

A. Innsbruck B. Salzburg
C. Graz D. Vienna

Correct answer: D. Vienna
Vienna is Austria's capital. Salzburg, Graz, and Innsbruck are other Austrian cities.

373. Whose 1967 recording of 'Respect' was added to the U.S. National Recording Registry?

A. Gladys Knight B. Diana Ross
C. Etta James D. Aretha Franklin

Correct answer: D. Aretha Franklin
Aretha Franklin's 1967 recording reworked the song written and first recorded by Otis Redding.

374. Which Halloween-associated animal is the only mammal capable of sustained powered flight?

A. Colugo B. Flying squirrel
C. Sugar glider D. Bat

Correct answer: D. Bat
The other animals glide; bats actively fly using their wings.

375. The 19th Amendment bars the federal government and states from denying a citizen the vote on which ground?

A. Race B. Failure to pay a poll tax
C. Being younger than 21 D. Sex

Correct answer: D. Sex
The 19th Amendment prohibits denying or abridging a citizen's voting rights on account of sex. Other barriers to voting persisted.

376. What competition does Harry enter after the cup selects him in Goblet of Fire?

A. The Yule Ball B. The Quidditch World Cup
C. The Hogwarts House Cup D. The Triwizard Tournament

Correct answer: D. The Triwizard Tournament
The cup selects Harry for the Triwizard Tournament, a competition between three wizarding schools.

377. A New Jersey advertisement from June 1933 invites people to sit in their own cars and watch a movie. Which venue is it advertising?

A. A television showroom B. A radio studio
C. A railway movie car D. A drive-in theater

Correct answer: D. A drive-in theater
Richard Hollingshead opened the outdoor drive-in in Pennsauken, near Camden, in June 1933.

378. Which bird has flippers adapted for swimming rather than flight?

A. Albatross B. Puffin
C. Pelican D. Penguin

Correct answer: D. Penguin
Penguins use stiff, flipper-like wings to propel themselves underwater.

379. Nintendo launched the Family Computer in Japan in 1983. What name did the system use outside Japan?

A. Nintendo 64 B. Super Nintendo Entertainment System
C. Game Boy D. Nintendo Entertainment System

Correct answer: D. Nintendo Entertainment System
Outside Japan the console was known as the Nintendo Entertainment System, or NES.

380. What number makes this equation true: 7 + ? = 19?

A. 26 B. 11
C. 13 D. 12

Correct answer: D. 12
Subtract seven from both sides: 19 − 7 = 12.

381. A diagram shows one gas leaving a leaf as a product of photosynthesis. Which gas belongs on that arrow?

A. Water vapor B. Carbon dioxide
C. Nitrogen D. Oxygen

Correct answer: D. Oxygen
The reactions of photosynthesis form oxygen gas. Some of that gas can leave the leaf through its stomata.

382. Cathy Freeman lit the cauldron at Sydney 2000 and later won a race in the same stadium. In which event did she take gold?

A. The 4 × 400-meter relay B. The 200 meters
C. The 800 meters D. The 400 meters

Correct answer: D. The 400 meters
Freeman won the women’s 400-meter final in 49.11 seconds. She also competed in the 200 meters and the 4 × 400-meter relay at those Games.

383. Which date did the Philippine Republic Act No. 4166 of 1964 proclaim as Independence Day?

A. December 30 B. July 4
C. August 21 D. June 12

Correct answer: D. June 12
The act proclaimed June 12 as Independence Day and designated July 4 as Philippine Republic Day.

384. In Friends, which coffee shop is the group's regular meeting place?

A. Café Nervosa B. Monk's Café
C. Luke's Diner D. Central Perk

Correct answer: D. Central Perk
Central Perk is the fictional New York coffee shop central to the series.

385. What does the Canadian Museum of History identify as a pysanka in Ukrainian Easter tradition?

A. A carved wooden spoon B. A woven basket
C. An embroidered scarf D. A decorated egg

Correct answer: D. A decorated egg
A pysanka is an Easter egg decorated with designs on its shell. The plural is pysanky.

386. Whose arrest in December 1955 for refusing to surrender a seat on a Montgomery bus helped prompt a boycott?

A. Ella Baker B. Diane Nash
C. Fannie Lou Hamer D. Rosa Parks

Correct answer: D. Rosa Parks
Parks's arrest helped spark the Montgomery bus boycott. Local organizers and riders sustained the protest.

387. Which 1956 single from Presley's first RCA recording session reached number one on Billboard's pop singles chart?

A. Don't Be Cruel B. Blue Suede Shoes
C. All Shook Up D. Heartbreak Hotel

Correct answer: D. Heartbreak Hotel
Elvis recorded Heartbreak Hotel at his first RCA session in Nashville. The single topped Billboard's pop singles chart in 1956.

388. Which tool measures temperature?

A. Ruler B. Barometer
C. Thermometer D. Compass

Correct answer: C. Thermometer
A thermometer measures temperature; a barometer measures air pressure.

389. After Earth’s surface absorbs sunlight, it emits energy. Which step explains why greenhouse gases affect surface temperature?

A. They cool Earth by preventing all incoming sunlight from reaching the surface.
B. They permanently stop the surface from emitting any energy.
C. They make the Sun emit more visible light.
D. They absorb and re-emit some outgoing infrared energy.

Correct answer: D. They absorb and re-emit some outgoing infrared energy.
The surface emits infrared radiation. Greenhouse gases absorb and re-emit some of that radiation, which changes how efficiently energy leaves the Earth system.

390. What does «3rd & 4» mean on an NFL scoreboard in an ordinary first-down situation?

A. Third down at the four-yard line B. Fourth down with three yards to gain
C. Third quarter with four minutes left D. Third down with four yards to gain

Correct answer: D. Third down with four yards to gain
The first number gives the down. The second gives the distance from the ball to the line the offense must reach to earn a new set of downs.

391. Which of the Great Lakes lies entirely within the United States?

A. Lake Ontario B. Lake Superior
C. Lake Erie D. Lake Michigan

Correct answer: D. Lake Michigan
Lake Michigan lies entirely within the United States. The U.S.–Canada border crosses each of the other Great Lakes.

392. Which actor starred alongside Emily Blunt and also directed the original 2018 A Quiet Place?

A. Djimon Hounsou B. Cillian Murphy
C. Joseph Quinn D. John Krasinski

Correct answer: D. John Krasinski
John Krasinski starred in the original film, directed it, and helped write the screenplay.

393. A photo of New Year’s Eve shows fireworks over the arch of the Sydney Harbour Bridge. Which country hosted the celebration?

A. South Africa B. New Zealand
C. Canada D. Australia

Correct answer: D. Australia
Sydney is in Australia. The bridge is a landmark of the city’s harbor celebrations.

394. Which Scottish thinker wrote The Wealth of Nations, published in 1776?

A. Robert Burns B. David Hume
C. James Hutton D. Adam Smith

Correct answer: D. Adam Smith
Adam Smith wrote The Wealth of Nations, a study of economic activity and the sources of national prosperity.

395. Which artist recorded ‘I Wish’ and ‘Another Star’ for a 1976 studio album?

A. Curtis Mayfield B. Marvin Gaye
C. Al Green D. Stevie Wonder

Correct answer: D. Stevie Wonder
Both recordings appeared on Stevie Wonder’s Songs in the Key of Life, released in 1976.

396. A jar contains two U.S. half-dollar coins. What is their combined face value?

A. Two dollars B. Twenty-five cents
C. Fifty cents D. One dollar

Correct answer: D. One dollar
Each half dollar is worth 50 cents. Two of them total 100 cents, or one dollar.

397. Of Earth's four main layers, which is the outermost?

A. Inner core B. Mantle
C. Outer core D. Crust

Correct answer: D. Crust
The crust lies at the surface. Beneath it are the mantle, outer core, and inner core, in that order.

398. What is the usual score call when both players have 40 in a standard advantage-scoring game?

A. Love-all B. Break point
C. Advantage D. Deuce

Correct answer: D. Deuce
At deuce, a player must win two points in succession to take the game. The first of the two gives them advantage.

399. Which label matches Greece to its capital?

A. Greece → Volos B. Greece → Thessaloniki
C. Greece → Patras D. Greece → Athens

Correct answer: D. Greece → Athens
Athens is the capital. Thessaloniki, Patras and Volos are all within Greece.

400. Kimjang, the tradition of making and sharing kimchi, is recognized by UNESCO as heritage from which country?

A. Thailand B. Vietnam
C. Japan D. South Korea

Correct answer: D. South Korea
UNESCO lists kimjang as a tradition of the Republic of Korea. Communities prepare and share batches of kimchi, especially before winter.

401. A Georgia map needs a star where the state capital sits. Where should it go?

A. Athens B. Atlanta
C. Augusta D. Savannah

Correct answer: B. Atlanta
The star goes on Atlanta. Augusta is the capital of Maine, while the Augusta shown on a Georgia map is not a state capital today.

402. What starts falling from the sky when Flint’s invention reaches the clouds in Cloudy with a Chance of Meatballs?

A. Soap bubbles B. Food
C. Flower petals D. Paper stars

Correct answer: B. Food
Flint’s invention makes food fall from the sky. Cheeseburgers are one of the first surprises.

403. Which country is known for Junkanoo street parades on Boxing Day and New Year’s Day?

A. Barbados B. The Bahamas
C. Jamaica D. Saint Lucia

Correct answer: B. The Bahamas
The Bahamas’ tourism authority describes Junkanoo as a Bahamian tradition with costumes, dancing, and music. Major parades take place on both days.

404. What did a set of canopic jars typically hold during preparation for an ancient Egyptian burial?

A. Food for the people attending the burial
B. Internal organs removed during mummification
C. Water for painting the coffin D. Papyrus rolls listing the deceased person's family

Correct answer: B. Internal organs removed during mummification
Canopic equipment protected organs that had been removed and preserved during mummification.

405. Which band topped the Official UK Singles Chart in September 1964 with ‘You Really Got Me’?

A. The Rolling Stones B. The Kinks
C. The Animals D. The Dave Clark Five

Correct answer: B. The Kinks
The Official Singles Chart for September 10 lists the Kinks’ ‘You Really Got Me’ at number one.

406. Which stone gives the main mausoleum of the Taj Mahal its pale exterior?

A. Light sandstone B. White marble
C. Pale limestone D. White granite

Correct answer: B. White marble
The mausoleum is faced in polished white marble. Other buildings in the complex use red sandstone.

407. Two pure tones travel through the same room. One sounds higher in pitch. Which wave property must be greater for the higher-pitched tone?

A. Wavelength B. Frequency
C. Travel speed D. Amplitude

Correct answer: B. Frequency
A higher pitch corresponds to more vibrations per second. In the same air, the higher-frequency tone has a shorter wavelength and travels at essentially the same speed.

408. Which video-sharing platform launched in 2005?

A. TikTok B. YouTube
C. Vine D. Twitch

Correct answer: B. YouTube
YouTube began in 2005; the other platforms launched later.

409. What is Brazil's official language?

A. French B. Spanish
C. Portuguese D. Italian

Correct answer: C. Portuguese
Brazil's Portuguese-speaking history distinguishes it from many Spanish-speaking neighbors.

410. In one molecule of CO_2, how many oxygen atoms are present?

A. One B. Two
C. Three D. Zero

Correct answer: B. Two
The subscript 2 applies to oxygen. Carbon has no subscript here, so the molecule contains one carbon and two oxygens.

411. Which driver won the Formula 1 drivers’ title and the Indianapolis 500 in 1965?

A. Graham Hill B. Jim Clark
C. Jackie Stewart D. Dan Gurney

Correct answer: B. Jim Clark
Jim Clark earned his second Formula 1 championship in 1965 and also won that year’s Indianapolis 500.

412. What is the collective term for organisms that drift with currents because they cannot swim strongly enough to resist them?

A. Nekton B. Plankton
C. Benthos D. Reef builders

Correct answer: B. Plankton
Plankton include many organisms that move with the water. The group includes both photosynthetic organisms and animals.

413. In Frozen, which snowman dreams about summer?

A. Sven B. Olaf
C. Kristoff D. Hans

Correct answer: B. Olaf
Olaf's wish is funny because ordinary snow melts in summer heat.

414. In the account Plutarch summarizes in Life of Theseus 19.1, who gives Theseus the thread and explains how to find his way through the labyrinth?

A. Medea B. Ariadne
C. Phaedra D. Helen

Correct answer: B. Ariadne
Plutarch’s summary credits Ariadne with giving Theseus the thread and showing him how to make his way through the maze.

415. Whose 1925 inauguration was the first U.S. presidential inauguration broadcast on radio?

A. Warren G. Harding B. Calvin Coolidge
C. Herbert Hoover D. Woodrow Wilson

Correct answer: B. Calvin Coolidge
Radio stations broadcast Coolidge’s inauguration in March 1925. Listeners could hear the ceremony from outside Washington.

416. The Victoria and Albert Museum credits London designer Mary Quant with popularizing which 1960s look?

A. The 1950s poodle skirt B. The miniskirt
C. The 1970s disco jumpsuit D. The Victorian bustle

Correct answer: B. The miniskirt
Mary Quant helped popularize the miniskirt, a defining look of 1960s fashion.

417. Which land animal is famous for the highest running speed over short distances?

A. Lion B. Cheetah
C. Greyhound D. Horse

Correct answer: B. Cheetah
Cheetahs are specialized sprinters, not long-distance endurance runners.

418. Where does most absorption of nutrients from a meal take place?

A. Stomach B. Small intestine
C. Esophagus D. Large intestine

Correct answer: B. Small intestine
Most nutrient absorption happens in the small intestine. Its folds and small projections expand the surface available for absorption.

419. Which Summer Olympics held the first Olympic women’s soccer tournament?

A. Barcelona 1992 B. Atlanta 1996
C. Sydney 2000 D. Athens 2004

Correct answer: B. Atlanta 1996
Women’s soccer joined the Olympic Games at Atlanta in 1996. Eight teams competed in that first tournament.

420. Under the Khmer king Suryavarman II, Angkor Wat was originally dedicated to which Hindu deity?

A. Shiva B. Vishnu
C. Brahma D. Indra

Correct answer: B. Vishnu
Suryavarman II built Angkor Wat in the 12th century. Its original dedication was to Vishnu.

421. Which two of the six main Friends characters are siblings?

A. Monica and Joey B. Monica and Ross
C. Phoebe and Chandler D. Rachel and Ross

Correct answer: B. Monica and Ross
Monica is Ross’s sister. Courteney Cox played Monica and David Schwimmer played Ross.

422. What holiday is called ‘Lá Fhéile Pádraig’ in Irish?

A. St. Brigid’s Day B. St. Patrick’s Day
C. All Saints’ Day D. All Souls’ Day

Correct answer: B. St. Patrick’s Day
Lá Fhéile Pádraig means St. Patrick’s Day. Pádraig is the Irish form of Patrick.

423. How did Prime Minister Robert Menzies announce Australia’s entry into the war on September 3, 1939?

A. In a televised interview B. In a radio broadcast
C. In a cinema newsreel D. In a railway station announcement

Correct answer: B. In a radio broadcast
Menzies spoke over national and commercial radio stations. The Australian War Memorial preserves a recording.

424. In which city did the Rock & Roll Hall of Fame open its museum in 1995?

A. Memphis B. Cleveland
C. New York City D. Chicago

Correct answer: B. Cleveland
The museum opened in Cleveland on September 2, 1995. A benefit concert at Cleveland Municipal Stadium marked the opening.

425. What stuck to a dog's fur and gave the inventor of hook-and-loop fasteners his idea?

A. Feathers B. Burrs
C. Pine needles D. Spider silk

Correct answer: B. Burrs
George de Mestral examined the tiny hooks on burrs that caught on his dog's fur. He adapted the idea into a fastening system.

426. What feature of a cactus shows why it is called a succulent?

A. Its spines are modified leaves. B. Its thick, fleshy stems hold water.
C. Its flowers can develop into fruit. D. Its roots can spread near the soil surface.

Correct answer: B. Its thick, fleshy stems hold water.
Succulence refers to water storage in thick tissues. In a cactus, the fleshy stem holds the water.

427. Who invented basketball in 1891 while teaching in Springfield, Massachusetts?

A. Walter Camp B. James Naismith
C. Abner Doubleday D. William G. Morgan

Correct answer: B. James Naismith

Naismith created the indoor team game while working at the YMCA training school in Springfield.

428. A delegation is scheduled to visit Mumbai before traveling to India's national capital. Which city is its next destination?

A. Kolkata B. New Delhi
C. Chennai D. Bengaluru

Correct answer: B. New Delhi

New Delhi is India's capital. It is distinct from the other major Indian cities listed.

429. What is the principal spoken language in Bong Joon Ho's Parasite?

A. Japanese B. Korean
C. Mandarin D. Vietnamese

Correct answer: B. Korean

Parasite is a South Korean film told primarily in Korean.

430. Which familiar Thanksgiving ingredient is a swollen storage root?

A. Pumpkin B. Sweet potato
C. Cranberry D. Acorn squash

Correct answer: B. Sweet potato

The edible part of a sweet potato is a storage root. Pumpkin and acorn squash grow as fruits on vines.

431. A museum label describes a tall Greek jar with two handles for carrying or storing goods. Which vessel type fits?

A. Kylix B. Amphora
C. Lekythos D. Rhyton

Correct answer: B. Amphora

An amphora is a two-handled jar. Greek amphorae took different forms, including vessels used for storage.

432. Which decade does Disney give as the main setting of Captain Marvel (2019)?

A. 1970s B. 1990s
C. 1980s D. 2000s

Correct answer: B. 1990s

Disney places Carol Danvers’s story in the 1990s.

433. Which number is even?

A. 17 B. 24
C. 31 D. 45

Correct answer: B. 24
An even whole number is divisible by two with no remainder. Twenty-four divided by two is twelve.

434. Which essential life-support function does a spacesuit provide outside a spacecraft?

A. Preventing all effects of gravity B. Maintaining pressure and supplying oxygen
C. Making the astronaut's bones weightless D. Replacing oxygen with nitrogen

Correct answer: B. Maintaining pressure and supplying oxygen
A spacesuit provides a pressurized, breathable environment and thermal protection.

435. Which group reached number one on the U.S. Billboard Hot 100 in 1997 with the single Wannabe?

A. TLC B. Spice Girls
C. All Saints D. Backstreet Boys

Correct answer: B. Spice Girls
Billboard records four weeks at number one for Wannabe by the Spice Girls in early 1997.

436. You can tighten me with a wrench. Use me as a verb and I describe a rabbit rushing away. What am I?

A. Clamp B. Bolt
C. Spring D. Latch

Correct answer: B. Bolt
A bolt can fasten parts together. To bolt is to rush away suddenly.

437. At a conventional river hydropower station, which moving material turns the turbine?

A. Steam from a coal boiler B. Water flowing past it
C. Air rising through a cooling tower D. Liquid fuel moving down a pipe

Correct answer: B. Water flowing past it
Water moving through the station turns its turbine. A generator converts the rotation into electricity.

438. Which figure skater won her third consecutive Olympic singles gold medal at the 1936 Winter Games?

A. Katarina Witt B. Sonja Henie
C. Peggy Fleming D. Midori Ito

Correct answer: B. Sonja Henie
Norway’s Sonja Henie won Olympic singles gold in 1928, 1932, and 1936.

439. Which port in present-day Mexico was linked to Manila by the Spanish-era galleon trade?

A. Veracruz B. Acapulco
C. Tampico D. Tijuana

Correct answer: B. Acapulco
The route linked Manila and Acapulco across the Pacific. The National Museum catalogue records the route and its 1565 return voyage to Acapulco.

440. Which demigod joins Moana on her voyage?

A. Hercules B. Maui
C. Hades D. Zeus

Correct answer: B. Maui
Maui helps Moana cross the ocean on her mission to restore Te Fiti's heart.

441. Which Carnival pastry is associated with a small baby figurine hidden inside?

A. Pound cake B. King cake
C. Peach cobbler D. Pecan pie

Correct answer: B. King cake
The National Park Service notes that the Mardi Gras king cake tradition includes a small baby figure as a hidden token.

442. Which document did participants adopt at the 1848 women's rights convention in Seneca Falls?

A. The Seneca Falls Peace Treaty B. Declaration of Sentiments
C. A completed Equal Rights Amendment D. The Emancipation Proclamation

Correct answer: B. Declaration of Sentiments
The Declaration of Sentiments listed grievances and called for changes to women's rights and opportunities.

443. What shape did the DNA model described in 1953 propose for the molecule?

A. A single helix B. A double helix
C. A triple helix D. A flat ladder

Correct answer: B. A double helix
The model proposed two strands winding around one another. A common way to picture the shape is a ladder that twists.

444. Who wrote the Harry Potter novels?

A. Roald Dahl B. J. K. Rowling
C. C. S. Lewis D. Rick Riordan

Correct answer: B. J. K. Rowling
Rowling created the seven-book Harry Potter series.

445. Which note reports an observation from a paper towel test without explaining why it happened?

A. Towel A absorbed more because its fibers were thicker.
B. Towel A absorbed 14 mL of water.
C. Towel A performed worse because it had fewer pores.
D. Towel A must have been more expensive to make.

Correct answer: B. Towel A absorbed 14 mL of water.
The volume is a direct measurement. The other statements propose explanations or infer something the test did not measure.

446. Who was named MVP after the New England Patriots' comeback win over Atlanta in Super Bowl LI in February 2017?

A. James White B. Tom Brady
C. Julian Edelman D. Matt Ryan

Correct answer: B. Tom Brady
Tom Brady won MVP as the Patriots erased a 28–3 deficit and beat the Falcons 34–28 in overtime.

447. Which country's national flag is a red square with a centered white cross whose arms stop before the edges?

A. Denmark B. Switzerland
C. Norway D. Georgia

Correct answer: B. Switzerland
The Swiss flag is square, and its single white cross sits clear of the red field's edges.

448. Which NBC comedy stars Kristen Bell as Eleanor, who arrives in an afterlife neighborhood and believes she was sent there by mistake?

A. 30 Rock B. The Good Place
C. Parks and Recreation D. Brooklyn Nine-Nine

Correct answer: B. The Good Place
Bell plays Eleanor in The Good Place. Her mistaken arrival sets the story of the comedy in motion.

449. During a Pennsylvania April Fools’ Day prank recorded by the U.S. Postal Service, what grew surprisingly long as a mail carrier pulled it out of a door slot?

A. A shoelace B. A mock envelope
C. A kitchen towel D. A postal route map

Correct answer: B. A mock envelope
Comedian Billy Kelly made the object look like a stamped envelope. It stretched about ten feet.

450. What event brought Lincoln to Gettysburg in November 1863 to deliver his famous address?

A. A surrender meeting between Grant and Lee B. The dedication of a soldiers' cemetery
C. The opening of a session of Congress
D. A ceremony awarding the first Medals of Honor

Correct answer: B. The dedication of a soldiers' cemetery
Lincoln spoke at the dedication of a cemetery for Union soldiers killed at Gettysburg, several months after the battle.

451. Who wrote ‘9 to 5,’ the song awarded Best Country Song at the 1982 Grammys?

A. Loretta Lynn B. Dolly Parton
C. Rosanne Cash D. Reba McEntire

Correct answer: B. Dolly Parton
The Recording Academy credits Dolly Parton as the songwriter for ‘9 to 5.’ The award recognized her songwriting.

452. A fictional mineral scratches feldspar but is scratched by quartz. Feldspar is 6 and quartz is 7 on the Mohs scale. Where does the sample fit?

A. Below 6 B. Between 6 and 7
C. Above 7 D. Exactly 7

Correct answer: B. Between 6 and 7
In the scenario, the sample is harder than feldspar and softer than quartz. The two observations put it between the reference minerals.

453. Which fictional observation shows a single, identifiable point where polluted water enters a stream?

A. Runoff reaches the stream along the edge of several fields.
B. Polluted water enters the stream from one visible outlet pipe.
C. Loose soil washes off many separate garden plots.
D. Rain carries residues off a long stretch of ground at many places.

Correct answer: B. Polluted water enters the stream from one visible outlet pipe.
The outlet pipe provides an identifiable discharge point. The other examples describe water or sediment moving from dispersed areas.

454. A batter hits a grand slam and everyone touches the bases in order. How many runs score?

A. Two B. Four
C. Three D. Five

Correct answer: B. Four
A grand slam is a home run with the bases loaded. The three runners and the batter each score.

455. A culture tour needs to distinguish Poland's capital from its stops in Kraków, Gdańsk, and Wrocław. Which additional city is the capital?

A. Poznań B. Warsaw
C. Łódź D. Lublin

Correct answer: B. Warsaw
Warsaw is Poland's national capital. The other proposed stops also lie in Poland.

456. Who gave four violin concertos the seasonal titles Spring, Summer, Autumn, and Winter?

A. Johann Sebastian Bach B. Antonio Vivaldi
C. Wolfgang Amadeus Mozart D. Joseph Haydn

Correct answer: B. Antonio Vivaldi
Vivaldi portrayed each season in its own concerto for solo violin and strings.

457. Which cartoon ghost is famously described as friendly?

A. Popeye B. Casper
C. Felix D. Garfield

Correct answer: B. Casper
Casper is known for friendliness rather than frightening people.

458. Which Supreme Court case held that state-mandated racial segregation in public schools violated equal protection?

A. Plessy v. Ferguson B. Brown v. Board of Education
C. Marbury v. Madison D. Miranda v. Arizona

Correct answer: B. Brown v. Board of Education
The Court held in Brown that separate public educational facilities were inherently unequal under the 14th Amendment.

459. In Order of the Phoenix, where do the members of Dumbledore’s Army meet to practice in secret?

A. The Gryffindor common room B. The Room of Requirement
C. The Astronomy Tower D. The Potions classroom

Correct answer: B. The Room of Requirement
The fifth film stages the group’s secret practice sessions in the Room of Requirement at Hogwarts.

460. Visitors near Elkmont in the Great Smoky Mountains watch pinpoints of light blink together in the dark. Which insects make the display?

A. Cicadas B. Synchronous fireflies
C. Monarch butterflies D. Dragonflies

Correct answer: B. Synchronous fireflies
The fireflies found at Elkmont are known for flashing in synchronized bursts.

461. A bat hunting insects in darkness often locates them using what?

A. Infrared vision B. Echolocation
C. Electrical sensing D. Ground vibrations

Correct answer: B. Echolocation
Reflected sound helps echolocating bats locate prey and obstacles.

462. An object sold as the Magic Cube gained which name at its international launch in 1980?

A. Pyraminx B. Rubik’s Cube
C. Soma Cube D. Tetris

Correct answer: B. Rubik’s Cube
The Magic Cube took inventor Ernő Rubik’s name for its international release.

463. Mia is taller than Jo. Jo is taller than Ali. Who is shortest?

A. Mia B. Ali
C. Jo D. Cannot be determined

Correct answer: B. Ali
The comparisons give Mia > Jo > Ali in height.

464. Water absorbed by a plant’s roots travels up through the stem. Which tissue carries this water to the leaves for processes such as photosynthesis?

A. Phloem B. Xylem
C. Cuticle D. Palisade mesophyll

Correct answer: B. Xylem
Xylem carries water from the roots up through the plant. The leaf veins contain xylem that delivers water to leaf tissues.

465. Which of these sports made its Olympic debut at Paris 2024?

A. Skateboarding B. Breaking
C. Sport climbing D. Surfing

Correct answer: B. Breaking
Breaking was the new Olympic sport at Paris 2024. Skateboarding, sport climbing, and surfing had appeared at Tokyo 2020.

466. On which Philippine island can you find the Chocolate Hills?

A. Cebu B. Bohol
C. Luzon D. Panay

Correct answer: B. Bohol
The rounded limestone hills lie near the center of the Bohol Island UNESCO Global Geopark.

467. Which yellow cartoon family lives in Springfield?

A. The Flintstones B. The Simpsons
C. The Jetsons D. The Griffins

Correct answer: B. The Simpsons
Homer, Marge, Bart, Lisa and Maggie are the Simpsons.

468. In John 20:1, who reaches the tomb before daylight?

A. Simon Peter B. Mary of Magdala
C. Thomas D. Martha of Bethany

Correct answer: B. Mary of Magdala
John opens the account with Mary of Magdala, also known as Mary Magdalene. She sees that the stone has been moved.

469. Which historian launched the observance then called Negro History Week in 1926?

A. John Hope Franklin B. Carter G. Woodson
C. James Baldwin D. Alain Locke

Correct answer: B. Carter G. Woodson
Woodson and his association promoted the week to bring Black history into schools and public life. It preceded Black History Month.

470. In what category did Elvis Presley win a Grammy in 1968 for How Great Thou Art?

A. Best Rock & Roll Recording B. Best Sacred Performance
C. Record of the Year D. Best Country & Western Recording

Correct answer: B. Best Sacred Performance
The Recording Academy lists How Great Thou Art as Presley's winning entry in Best Sacred Performance at the 1968 ceremony.

471. What does a map legend explain?

A. Every country's population B. The map's author's childhood
C. The symbols used on the map D. The reader's location automatically

Correct answer: C. The symbols used on the map
A legend provides meanings for map symbols and colours.

472. Which record is best suited to comparing global sea level across a period of several decades?

A. The height of a single wave during a storm
B. Yearly estimates of global mean sea level across those decades
C. One afternoon’s tide reading at one pier D. A map showing wind direction on one day

Correct answer: B. Yearly estimates of global mean sea level across those decades
A long series of average sea-level estimates can show how the global level changes over time. A single wave or tide reflects short-term local conditions.

473. What is it called when a defender completes a catch of the offense's forward pass?

A. A fumble recovery B. An interception
C. A sack D. A punt return

Correct answer: B. An interception
An interception gives the defending team possession. The defender can try to advance the ball after the catch.

474. The Great Smoky Mountains lie along parts of Tennessee and North Carolina. Which mountain system includes them?

A. Rocky Mountains B. Appalachian Mountains
C. Cascade Range D. Sierra Nevada

Correct answer: B. Appalachian Mountains
The Great Smoky Mountains are part of the southern Appalachian Mountains.

475. Who won the 2018 original screenplay Oscar for Get Out?

A. Greta Gerwig B. Jordan Peele
C. Paul Thomas Anderson D. Martin McDonagh

Correct answer: B. Jordan Peele
The Academy lists Jordan Peele as the original screenplay winner for Get Out.

476. Which California city began the New Year’s Day parade now known as the Rose Parade?

A. Santa Barbara B. Pasadena
C. Sacramento D. Palm Springs

Correct answer: B. Pasadena
Pasadena’s Valley Hunt Club organized the first parade in 1890.

477. Which publicly funded health service began operating in England in July 1948?

A. The Royal Mail B. The National Health Service
C. British Railways D. The British Library

Correct answer: B. The National Health Service
The National Health Service began in 1948. It brought hospital, general practice, and other health services into a publicly funded system.

478. Which Bob Marley and the Wailers album includes ‘Jamming’ and ‘One Love/People Get Ready’?

A. Kaya B. Exodus
C. Rastaman Vibration D. Survival

Correct answer: B. Exodus
Bob Marley’s discography lists both songs on Exodus, the band’s 1977 studio album.

479. A dragonfly is an insect. How many legs does an adult dragonfly have?

A. Four B. Six

C. Eight D. Ten

Correct answer: B. Six

Adult insects have six legs. Eight legs are characteristic of spiders and other arachnids.

480. What does the term epicenter identify on an earthquake map?

A. The underground point where the earthquake starts

B. The point on Earth's surface directly above where the earthquake starts

C. The seismic station that records the largest waves

D. The point on the surface farthest from the source

Correct answer: B. The point on Earth's surface directly above where the earthquake starts

The underground starting point is called the hypocenter. The epicenter is the surface point directly above it.

481. A golfer completes a par-four hole in three strokes. What is that score called?

A. Eagle B. Birdie

C. Bogey D. Albatross

Correct answer: B. Birdie

A birdie is one stroke under par. An eagle is two under, and a bogey is one over.

482. Which city would complete a map label reading ‘Norway — capital’?

A. Bergen B. Oslo

C. Trondheim D. Stavanger

Correct answer: B. Oslo

Oslo is Norway’s capital. The other listed cities are Norwegian but do not hold that national role.

483. Which leafy ingredient gives classic pesto alla Genovese its signature flavor?

A. Parsley B. Basil

C. Mint D. Sage

Correct answer: B. Basil

Genovese pesto gets its herbal flavor from basil. Traditional versions include pine nuts, cheese, garlic, and olive oil.

484. In 'The Twelve Days of Christmas,' what is given on the first day?

A. Two turtle doves B. A partridge in a pear tree

C. Three French hens D. Four calling birds

Correct answer: B. A partridge in a pear tree

The cumulative song begins with a partridge in a pear tree.

485. In which year did crossings through the Berlin Wall open after decades of division?

A. 1985 B. 1989
C. 1990 D. 1991

Correct answer: B. 1989
Crowds crossed through the checkpoints on the night of November 9, 1989. German reunification followed in 1990.

486. Where would you find the Ewoks' homes in Bright Tree Village in Return of the Jedi?

A. Inside caves at the foot of a cliff B. High in the forest canopy
C. On platforms above the ocean D. In burrows below an open meadow

Correct answer: B. High in the forest canopy
The Ewoks' village is built among Endor's tall trees, with bridges and ladders connecting the structures.

487. Many monarch butterflies from eastern North America fly south in fall. Where are their main winter forest sites?

A. Southern Florida B. Central Mexico
C. Nova Scotia D. Central Alaska

Correct answer: B. Central Mexico
Most eastern migratory monarchs overwinter in oyamel fir forests in central Mexico.

488. The Smithsonian captions a June 19, 1900 photograph as an Emancipation Day celebration in East Woods. Which city does the caption identify?

A. San Antonio B. Austin
C. Corpus Christi D. Lubbock

Correct answer: B. Austin
The museum places the gathering in East Woods in Austin, Texas. The record documents a community celebration decades before federal recognition.

489. Which Australian performing arts venue, originally designed by Jørn Utzon, officially opened in October 1973?

A. Perth Concert Hall B. Sydney Opera House
C. Canberra Theatre Centre D. Arts Centre Melbourne

Correct answer: B. Sydney Opera House
The Sydney Opera House officially opened on October 20, 1973, on Sydney Harbour. Jørn Utzon was the original architect.

490. Who painted the National Gallery's 1888 Sunflowers, with a vase of yellow flowers against a pale yellow background?

A. Claude Monet B. Vincent van Gogh
C. Paul Gauguin D. Paul Cézanne

Correct answer: B. Vincent van Gogh
Van Gogh made the National Gallery's painting in Arles in August 1888. The gallery counts 15 flowers in the vase.

491. A student writes that a pea plant has purple flowers. What does that observation describe?

A. Its exact genotype B. Its phenotype
C. Its trophic level D. Its carrying capacity

Correct answer: B. Its phenotype
Flower color is an observable characteristic, so it describes the plant’s phenotype. Color alone may leave more than one genotype possible.

492. In Qatar in 2022, which team beat Portugal to become the first from Africa to reach a men’s FIFA World Cup semifinal?

A. Senegal B. Morocco
C. Cameroon D. Ghana

Correct answer: B. Morocco
Morocco eliminated Portugal in the quarterfinal and met France in the semifinal.

493. Mauna Loa and Kīlauea both lie within which national park?

A. Mount Rainier B. Hawai‘i Volcanoes
C. Lassen Volcanic D. Haleakalā

Correct answer: B. Hawai‘i Volcanoes
Hawai‘i Volcanoes National Park is on the island of Hawai‘i and includes both volcanoes.

494. Which Sony home console launched in 2000 and could play DVD movies as well as games?

A. Original PlayStation B. PlayStation 2
C. PlayStation 3 D. PlayStation 4

Correct answer: B. PlayStation 2
The PlayStation 2 combined a home game console with DVD movie playback at its 2000 launch.

495. Which U.S. senator from Wisconsin called for the environmental event that became the first nationwide Earth Day?

A. Edmund Muskie B. Gaylord Nelson
C. Walter Mondale D. William Proxmire

Correct answer: B. Gaylord Nelson
Gaylord Nelson proposed an environmental teach-in to bring public concern into the national conversation.

496. When land access to West Berlin was blocked in 1948, what did the Berlin Airlift do?

A. It financed a new railway connecting Berlin to Paris.
B. It brought essential supplies to residents by air.
C. It brought the two German governments into one state.
D. It funded academic exchanges between the U.S. and Soviet Union.

Correct answer: B. It brought essential supplies to residents by air.
The airlift supplied West Berlin while land routes were blocked. Its cargo included necessities such as food and fuel.

497. Which singer released Pure Country as both a studio album and the soundtrack to the film of the same name?

A. Alan Jackson B. George Strait
C. Clint Black D. Vince Gill

Correct answer: B. George Strait
Pure Country was George Strait’s first soundtrack and his thirteenth studio album. It includes ‘I Cross My Heart’ and ‘Heartland.’

498. Which U.S. document begins 'We the People'?

A. Emancipation Proclamation B. Declaration of Independence
C. Constitution D. Articles of Confederation

Correct answer: C. Constitution
The Constitution's preamble begins with those words.

499. A weather report gives both air temperature and dew point. What does the dew point tell you?

A. The highest air temperature measured that day
B. The temperature at which the air would become saturated if cooled at the same pressure without changing its water-vapor content
C. The amount of rain that has already fallen
D. The temperature at which every water droplet freezes

Correct answer: B. The temperature at which the air would become saturated if cooled at the same pressure without changing its water-vapor content
When air cools to its dew point at constant pressure and water-vapor content, it reaches saturation. Further cooling can lead to condensation.

500. Which team won the inaugural NBA Cup by beating Indiana in the December 2023 final?

A. Milwaukee Bucks B. Los Angeles Lakers
C. New Orleans Pelicans D. Sacramento Kings

Correct answer: B. Los Angeles Lakers
The Lakers beat the Pacers in the final of the league’s first In-Season Tournament, earning the first NBA Cup.

501. In a healthy knee, what covers the ends of the bones at their moving surfaces and helps them glide?

A. Articular cartilage B. Bone marrow
C. Skeletal muscle D. Periosteum

Correct answer: A. Articular cartilage
The smooth layer of articular cartilage cushions the ends of the bones and helps the joint move with low friction.

502. In a fictional match between White and Blue, White touches the ball last before it fully crosses the touchline, or sideline, near midfield. What is the correct restart?

A. Blue takes a throw-in. B. White takes a throw-in.
C. Blue takes a corner kick. D. The referee drops the ball for White.

Correct answer: A. Blue takes a throw-in.
When the ball goes completely beyond the touchline, the other team gets the throw-in. White touched it last, so Blue restarts play.

503. Which description fits the Great Enclosure at Great Zimbabwe?

A. A curved enclosure built in courses of cut granite blocks
B. A rectangular enclosure built from brick arches
C. A curved enclosure made from rows of wooden posts
D. A rectangular enclosure formed by banks of packed earth

Correct answer: A. A curved enclosure built in courses of cut granite blocks
The Great Enclosure is elliptical. Its builders laid cut granite blocks in regular rows, called courses.

504. In the opening Central Perk scene of the pilot, which character arrives wearing a wedding dress?

A. Rachel B. Monica
C. Phoebe D. Janice

Correct answer: A. Rachel
Rachel arrives as a runaway bride. The show’s creators recall how her arrival established the series’ opening situation.

505. In his Confession, about how old did Patrick say he was when he was taken captive and brought to Ireland?

A. 16 B. 8
C. 25 D. 40

Correct answer: A. 16
Patrick’s account places him at about sixteen when he was taken captive. The Confession is one of the surviving writings attributed to Patrick himself.

506. Britain and France declared war on Germany on September 3, 1939. How much later did Canada formally declare war on Germany?

A. One week later B. On the same day
C. One day later D. One month later

Correct answer: A. One week later
Canada’s declaration was issued on September 10 after a special session of Parliament. September 10 is seven days after September 3.

507. The Rock & Roll Hall of Fame describes Sister Rosetta Tharpe singing gospel and playing a Gibson onstage. What kind of instrument was it?

A. An electric guitar B. An upright bass
C. A tenor saxophone D. An electric organ

Correct answer: A. An electric guitar
The museum highlights Tharpe’s electric guitar playing alongside her gospel singing. Her guitar style helped shape early rock and roll.

508. What did the inventors behind Bubble Wrap originally hope to sell their bubbly plastic as?

A. Textured wallpaper B. Waterproof gloves
C. Reusable picnic plates D. Non-slip bath mats

Correct answer: A. Textured wallpaper
The inventors started with a wallpaper idea. The air pockets later found a purpose cushioning goods during shipping.

509. A park sign describes a lichen made up of a fungus and a green alga. Which task does the alga perform in this partnership?

A. It makes sugars using light. B. It builds the lichen’s protective outer layer.
C. It draws minerals from soil through roots.
D. It breaks down dead leaves as its main source of energy.

Correct answer: A. It makes sugars using light.
The green alga uses light to make sugars through photosynthesis. The fungus provides most of the lichen’s visible structure.

510. An NBA team gains a new offensive possession with more than a minute left in the quarter. What is the standard starting value on the shot clock?

A. 24 seconds B. 14 seconds
C. 20 seconds D. 30 seconds

Correct answer: A. 24 seconds
A standard new possession starts with 24 seconds. The rules specify shorter resets for certain situations within a possession.

511. A map has a label for Mongolia and a blank for its capital. Which city belongs in the blank?

A. Ulaanbaatar B. Ulan-Ude
C. Hohhot D. Harbin

Correct answer: A. Ulaanbaatar
Ulaanbaatar is Mongolia's capital. Ulan-Ude is a different city in Russia.

512. Where did the Apollo 13 filmmakers shoot some scenes to record the actors really floating?

A. A plane flying a reduced-gravity path B. A purpose-built revolving room
C. A tank with cables below the actors D. A wind tunnel with adjustable air pressure

Correct answer: A. A plane flying a reduced-gravity path
Ron Howard's team filmed aboard an aircraft whose flight path created short intervals of weightlessness.

513. Which president proclaimed a national day of thanksgiving in 1863, during the Civil War?

A. Abraham Lincoln B. Andrew Johnson
C. Ulysses S. Grant D. James Buchanan

Correct answer: A. Abraham Lincoln
Lincoln’s 1863 proclamation called for a national day of thanksgiving on the last Thursday of that November.

514. A visitor asks for guidance at the ancient oracle of Delphi. Which god's sanctuary is the visitor attending?

A. Apollo B. Hermes
C. Hephaestus D. Poseidon

Correct answer: A. Apollo
The oracle at Delphi was associated with Apollo. The sanctuary was a major site of worship and consultation.

515. In Ant-Man (2015), Michael Douglas plays the scientist who asks Scott Lang to help protect the secrets of the Ant-Man suit. What is the scientist’s name?

A. Hank Pym B. Darren Cross
C. Erik Selvig D. Bruce Banner

Correct answer: A. Hank Pym
Michael Douglas plays Dr. Hank Pym. Pym becomes Scott Lang’s mentor in the film.

516. Which fraction has the same value as three quarters?

A. 3/8 B. 4/6
C. 6/8 D. 9/16

Correct answer: C. 6/8
Multiply both the numerator and denominator of 3/4 by two to get 6/8. Multiplying both by the same nonzero number preserves the value.

517. The main asteroid belt lies mostly between which two planets?

A. Mars and Jupiter B. Earth and Mars
C. Venus and Earth D. Saturn and Uranus

Correct answer: A. Mars and Jupiter
Most main-belt asteroids orbit between Mars and Jupiter.

518. A museum label describes an early PalmPilot handheld from the 1990s with a cradle that connected it to a desktop computer. What was its main everyday purpose?

A. Organizing contacts, appointments, notes, and tasks
B. Playing music from pocket-sized discs
C. Taking photographs and printing them on demand
D. Receiving live television channels

Correct answer: A. Organizing contacts, appointments, notes, and tasks
The PalmPilot kept contacts, notes, tasks, and calendar entries in a pocket-sized device. Owners could synchronize that information with a desktop computer.

519. In a marsh I wade on two long legs. At a construction site I lift loads with a long arm. What am I?

A. Crane B. Heron
C. Forklift D. Stork

Correct answer: A. Crane
A crane is a long-legged bird and also a machine used to lift heavy loads.

520. A wind turbine and an electric fan both have blades. In the wind turbine, which event comes first in normal operation?

A. Moving air drives the blades B. Electricity drives the blades to produce the wind
C. The blades cool a fluid that powers the generator
D. The generator creates sunlight to drive the blades

Correct answer: A. Moving air drives the blades
The wind sets the turbine blades in motion. A fan reverses the role of the moving air and the electricity.

521. Which city hosted the first Olympic Winter Games held in Asia?

A. Sapporo B. Nagano
C. PyeongChang D. Beijing

Correct answer: A. Sapporo
Sapporo, Japan, became the first Asian host of the Olympic Winter Games in 1972.

522. Which region’s revolt did Gabriela Silang continue to lead after Diego Silang’s death?

A. Ilocos B. Bicol
C. Central Visayas D. Cagayan Valley

Correct answer: A. Ilocos
Her historical marker says she assumed leadership of the Ilocos revolt after Diego Silang was killed in 1763.

523. In Ratatouille, Remy dreams of becoming what?

A. A chef B. A musician

C. An inventor D. A detective

Correct answer: A. A chef

The rat's refined sense of taste draws him toward cooking in Paris.

524. The Historic New Orleans Collection holds a decorated coconut dated 1952. Which New Orleans Carnival organization is it associated with?

A. Zulu Social Aid and Pleasure Club B. Mistick Krewe of Comus

C. Twelfth Night Revelers D. Krewe of Proteus

Correct answer: A. Zulu Social Aid and Pleasure Club

The museum identifies the object as a Zulu coconut. Decorated coconuts are associated with Zulu riders and their parade.

525. A 1933 appointment record names the first woman to serve in a U.S. president's Cabinet. Who became Secretary of Labor?

A. Frances Perkins B. Eleanor Roosevelt

C. Jane Addams D. Mary Anderson

Correct answer: A. Frances Perkins

Franklin D. Roosevelt appointed Perkins as Labor Secretary. She served throughout his presidency.

526. Charlie Brown appears in the first Peanuts strip, published in October 1950. Which two characters appear with him?

A. Shermy and Patty B. Linus and Lucy

C. Snoopy and Woodstock D. Schroeder and Sally

Correct answer: A. Shermy and Patty

The debut strip features Charlie Brown, Shermy, and Patty. The cast expanded after the strip began.

527. An acid such as vinegar reacts with baking soda to release which gas?

A. Carbon dioxide B. Oxygen

C. Nitrogen D. Hydrogen

Correct answer: A. Carbon dioxide

The acid–bicarbonate reaction produces carbon dioxide bubbles.

528. A team asks whether adding a paper clip changes how long a paper helicopter stays in the air. Which test isolates the clip?

A. Drop matching models with and without a clip from the same height.
B. Drop a clipped model from a higher shelf than an unclipped model.
C. Drop a clipped wide model and an unclipped narrow model from the same height.
D. Drop a clipped model indoors and an unclipped model outside.

Correct answer: A. Drop matching models with and without a clip from the same height.
Matching the models and drop conditions leaves the clip as the planned change. The other designs change another factor at the same time.

529. Which Giants receiver pinned the ball against his helmet to complete a catch late in Super Bowl XLII in February 2008?

A. David Tyree B. Plaxico Burress
C. Amani Toomer D. Steve Smith

Correct answer: A. David Tyree
Tyree's catch kept the Giants' winning drive going against New England. Burress later caught the go-ahead touchdown.

530. A flag has two crimson triangular sections, blue edging, and white moon and sun emblems. Which country is the design for?

A. Nepal B. Bhutan
C. Sri Lanka D. Pakistan

Correct answer: A. Nepal
Nepal's flag is formed from two joined pennant shapes. The moon emblem is in the upper section and the sun is in the lower one.

531. During which war is the original M*A*S*H television series set?

A. The Korean War B. The Vietnam War
C. The Gulf War D. World War II

Correct answer: A. The Korean War
Series developer Larry Gelbart described the Korean War as the historical backdrop for the fictional hospital in the series.

532. What did city streets become in the April Fools’ edition called Ms. PAC-Maps?

A. A maze for the video game character B. A musical staff that played notes
C. A drawing in a virtual coloring book D. A racetrack for pedal cars

Correct answer: A. A maze for the video game character
Google Maps briefly turned ordinary street layouts into mazes with dots, fruit, and ghosts for players to navigate.

533. A battlefield map labels the village of Sharpsburg, Maryland. Which battle should an archivist file it under?

A. Antietam B. Shiloh
C. Chancellorsville D. Cold Harbor

Correct answer: A. Antietam
Antietam took place near Sharpsburg and Antietam Creek in September 1862. Its casualties made it the war's bloodiest single day.

534. Where did a-ha’s ‘Take On Me’ peak on the Official UK Singles Chart during its 1985 run?

A. Number 2 B. Number 1
C. Number 4 D. Number 10

Correct answer: A. Number 2
Official Charts shows the single reaching Number 2 on the chart dated October 26, 1985. It held that peak for three weeks.

535. Phobos completes roughly three circuits around Mars in a Martian day. Which description fits the orbit of Deimos?

A. It takes longer than a Martian day to make one circuit.
B. It takes about one-third as long as Phobos’s orbit.
C. It completes one orbit in the same time as Phobos.
D. It completes a circuit each time Mars rotates halfway around.

Correct answer: A. It takes longer than a Martian day to make one circuit.
The more distant moon, Deimos, takes about 30 hours for one orbit. A Martian day is a little over 24 Earth hours.

536. A model park has two woods separated by open ground. For an animal that moves through tree cover, which planting plan creates a continuous habitat corridor between the woods?

A. A strip of trees that joins both woods
B. A strip connected to one wood that ends before reaching the other
C. A patch of trees that touches neither wood
D. Extra trees inside each wood with the gap left open

Correct answer: A. A strip of trees that joins both woods
A habitat corridor links separate patches. A continuous strip joining the woods supplies tree cover along the whole route between them.

537. In the scorebook, what is a hit that earns the batter three bases called?

A. Triple B. Double
C. Single D. Home run

Correct answer: A. Triple
A triple is a hit that lets the batter reach third base without extra help from an error or another play.

538. Copenhagen is the city on one card in a set of country–capital pairs. Which country completes that card?

A. Denmark B. Sweden
C. Iceland D. Norway

Correct answer: A. Denmark
Copenhagen is Denmark's capital. The choice concerns the national capital of Denmark.

539. Which instrument makes its sound with a single reed attached to a mouthpiece?

A. Clarinet B. Oboe
C. Bassoon D. Flute

Correct answer: A. Clarinet
A clarinet has a single reed. The oboe and bassoon use paired reeds, while the flute uses air blown across an opening.

540. Before pumpkins became common, Irish jack-o'-lanterns were often carved from which vegetable?

A. Turnips B. Cucumbers
C. Peppers D. Lettuce

Correct answer: A. Turnips
Turnip lanterns preceded the pumpkin-carving tradition popularized in North America.

541. A museum case displays the Treaty of Ghent. Which conflict should its label say the treaty ended?

A. The War of 1812 B. The American Revolution
C. The Mexican-American War D. The Spanish-American War

Correct answer: A. The War of 1812
The United States and Great Britain signed the treaty in December 1814. Its peace terms called for the return of territory captured during the war.

542. In Half-Blood Prince, which potion does Harry win after following notes in a used textbook for Professor Slughorn’s class?

A. Felix Felicis B. Veritaserum
C. Polyjuice Potion D. Amortentia

Correct answer: A. Felix Felicis
The notes help Harry win the class challenge. His prize is Felix Felicis, a potion that temporarily brings good luck.

543. In the Tour de France, the rider leading the overall individual standings wears which jersey?

A. Yellow B. Green

C. Plain white D. White with red dots

Correct answer: A. Yellow

The yellow jersey identifies the leader of the overall individual classification.

544. Which environmental advantage can desert animals gain by being active at night?

A. Lower temperatures reduce heat stress B. Moonlight provides more heat than sunlight

C. Dry air supplies more drinking water D. Sand becomes a better source of food

Correct answer: A. Lower temperatures reduce heat stress

Nighttime activity can reduce exposure to extreme heat and water loss.

545. Queen’s archive puts its July 13, 1985 Live Aid performance in which venue?

A. Wembley Stadium B. Madison Square Garden

C. The Forum in Inglewood D. Sydney Opera House

Correct answer: A. Wembley Stadium

Queen played the London portion of Live Aid at Wembley Stadium.

546. Which combination of U.S. quarters and dimes totals 35 cents?

A. One quarter and one dime B. Two quarters

C. Two dimes D. One quarter and two dimes

Correct answer: A. One quarter and one dime

A quarter is 25 cents and a dime is 10, totaling 35.

547. A healthy leaf looks green in white light. Which pattern of light reflection by chlorophyll helps explain that color?

A. It reflects more green light than red or blue light.

B. It reflects more red light than green or blue light.

C. It reflects more blue light than red or green light.

D. It reflects the same amount of red, blue, and green light.

Correct answer: A. It reflects more green light than red or blue light.

Chlorophyll absorbs red and blue light more strongly than green. Some green light reflects from the leaf and reaches your eyes.

548. Charlotte Cooper became the first woman to win an individual Olympic title. In which sport did she win it at Paris 1900?

A. Tennis B. Sailing

C. Golf D. Croquet

Correct answer: A. Tennis

Cooper won the women’s tennis singles. Earlier in the same Games, Hélène de Pourtalès won as part of a sailing crew.

549. What transaction does the Laguna Copperplate Inscription, dated to 900 CE, record?

A. The clearance of a debt B. The lease of a field
C. The purchase of a boat D. The payment of a port toll

Correct answer: A. The clearance of a debt
The inscription records that a debt was cleared. The amount owed was expressed in gold.

550. Who composed the main scores for the original Star Wars trilogy?

A. John Williams B. Hans Zimmer
C. Danny Elfman D. Howard Shore

Correct answer: A. John Williams
Williams created themes including the main title and the Imperial March.

551. The Church of England's Easter Day guide describes a service that can begin on Holy Saturday evening. What is the service called?

A. The Easter Vigil B. The Palm Sunday procession
C. The Good Friday liturgy D. The Ash Wednesday service

Correct answer: A. The Easter Vigil
The Church of England describes the Easter Vigil as its first service of Easter, beginning on the evening before Easter Day.

552. Jacob Lawrence painted scenes of families leaving the South and finding work in northern cities. What movement did his series depict?

A. The Great Migration B. The movement to the Dust Bowl
C. The California Gold Rush D. The migration on the Oregon Trail

Correct answer: A. The Great Migration
Lawrence's Migration Series depicts movement from the rural South and changes in people's lives at their destinations.

553. During his U.S. Army service, Elvis Presley had a posting in Friedberg and lived nearby in Bad Nauheim. In which country were those towns at the time?

A. West Germany B. Austria
C. Belgium D. United Kingdom

Correct answer: A. West Germany
Friedberg and Bad Nauheim were in West Germany at the time. Presley arrived in October 1958 and spent about 18 months stationed in Friedberg.

554. Six people each use one cup. A cupboard has eight cups. How many remain?

A. 2 B. 3
C. 4 D. 6

Correct answer: A. 2
Eight minus six equals two.

555. Which human activity directly adds carbon dioxide to the atmosphere and contributes to the long-term warming assessed by the IPCC?

A. Burning fossil fuels for transportation or energy
B. Measuring air temperature at weather stations
C. Mapping the length of daylight D. Monitoring the direction of ocean currents

Correct answer: A. Burning fossil fuels for transportation or energy
Fossil fuels contain carbon. Burning them releases carbon dioxide, and the IPCC links human greenhouse gas emissions to observed warming.

556. A player drops the ball from their hands and kicks it before it touches the ground. What kind of kick is this?

A. A punt B. A drop kick
C. A placekick D. A free kick from a tee

Correct answer: A. A punt
A punt is struck before the dropped ball reaches the ground. A drop kick is struck as or just after the ball touches the ground.

557. Which river flows south past St. Louis and Memphis and reaches the sea through southern Louisiana?

A. Mississippi River B. Missouri River
C. Ohio River D. Arkansas River

Correct answer: A. Mississippi River
The Mississippi passes those cities and has its mouth in southern Louisiana. The other three rivers are its tributaries.

558. Who played the vampire in F. W. Murnau’s 1922 film Nosferatu?

A. Max Schreck B. Conrad Veidt
C. Werner Krauss D. Emil Jannings

Correct answer: A. Max Schreck
MoMA identifies Max Schreck as the vampire performer in the silent film.

559. At a Scottish Hogmanay gathering, which guest counts as the first-footer?

A. The first person to enter the home after midnight
B. The last person to leave before midnight
C. The guest who arrives first in the afternoon
D. The guest who sends the first greeting by mail

Correct answer: A. The first person to enter the home after midnight
First-footing is the tradition of being the first visitor to enter a home in the new year.

560. An English document from 1603 names James I. A Scottish document from the same year names James VI. How are the two monarchs related?

A. They are the same person, using different regnal numbers in England and Scotland.
B. They are brothers, each ruling a separate kingdom.
C. James I is the father of James VI.
D. James VI succeeded James I as monarch of both kingdoms later that year.

Correct answer: A. They are the same person, using different regnal numbers in England and Scotland.

James was already James VI of Scotland when he inherited the English throne as James I in 1603. Scotland and England continued to have separate parliaments.

561. What original release year does Parlophone’s discography give for Kraftwerk’s Autobahn?

A. 1974 B. 1975
C. 1977 D. 1978

Correct answer: A. 1974

Parlophone dates Autobahn to 1974. Its catalog dates Radio-Activity to 1975, Trans-Europe Express to 1977, and The Man-Machine to 1978.

562. What is the main source of the light you see when you look at the bright part of the Moon?

A. Sunlight reflecting off the Moon B. Heat glowing from the Moon’s surface
C. Light made inside lunar rocks D. Streetlights shining upward from Earth

Correct answer: A. Sunlight reflecting off the Moon

The Moon’s sunlit side reflects sunlight. The Moon itself does not produce the visible light we see from Earth.

563. Two bodies of molten rock have similar compositions. One cools slowly underground, and the other cools quickly at the surface. Which is expected to have larger mineral crystals?

A. The rock that cooled slowly underground
B. The rock that cooled quickly at the surface
C. Both always have identical crystal sizes because their compositions are similar
D. Neither forms crystals because both started molten

Correct answer: A. The rock that cooled slowly underground

Slow cooling leaves more time for mineral crystals to grow. Rapid cooling tends to produce smaller crystals or glass.

564. In indoor volleyball, a receiving team wins the right to serve. Which way do its players rotate?

A. Clockwise B. Counterclockwise
C. Front to back across the same spot D. Only the front row rotates

Correct answer: A. Clockwise
Each player advances one position clockwise when the receiving team earns the serve.

565. An editor labels Toronto as Canada's capital. Which label is the correct replacement?

A. Ottawa B. Montreal
C. Vancouver D. Calgary

Correct answer: A. Ottawa
Ottawa is Canada's national capital. Toronto is another Canadian city and belongs on a separate label.

566. What creates the flaky layers inside a classic butter croissant?

A. Thin layers of dough separated by butter B. Whipped egg whites folded into the dough
C. Coarse sugar mixed into the dough D. A filling spread between baked sheets

Correct answer: A. Thin layers of dough separated by butter
Rolling and folding traps thin sheets of butter between layers of dough. During baking, steam helps lift those layers apart.

567. Las Posadas, celebrated in Mexico and elsewhere, reenacts which search?

A. Mary and Joseph seeking lodging B. The Magi seeking a ship
C. Saint Nicholas seeking a reindeer D. Shepherds seeking a crown

Correct answer: A. Mary and Joseph seeking lodging
The nine-night tradition recalls the search for lodging before Jesus's birth.

568. A curator describes a city in present-day Mali with a historic center of learning at Sankoré and three notable mosques. Which city fits those clues?

A. Timbuktu B. Kano
C. Fez D. Kairouan

Correct answer: A. Timbuktu
Timbuktu grew into a center of scholarship and religious life. Sankoré is one of the three historic mosques named in its World Heritage listing.

569. Which setting does the Gungan city of Otoh Gunga occupy in The Phantom Menace?

A. Beneath the surface of Lake Paonga B. On a cliff overlooking Lake Paonga
C. On a wooded island in Lake Paonga D. On a floating platform on Lake Paonga

Correct answer: A. Beneath the surface of Lake Paonga
Otoh Gunga is an underwater city beneath Lake Paonga on Naboo. Its enclosed spaces hold air for its inhabitants.

570. A museum label describes some communities in Mexico setting out offerings and flowers for loved ones who have died, near the start of November. Which observance is it about?

A. Día de los Muertos B. St. Lucia Day
C. Lunar New Year D. Midsummer

Correct answer: A. Día de los Muertos
UNESCO records Día de los Muertos as a remembrance of deceased loved ones among Indigenous communities in Mexico.

571. The Library of Congress describes people holding celebrations on the first anniversary of the June 19, 1865 order. Which year was that?

A. 1866 B. 1865
C. 1870 D. 1872

Correct answer: A. 1866
The first anniversary was in 1866. The later purchase of the Houston park took place in 1872.

572. Which film soundtrack won Album of the Year at the 1979 Grammy Awards?

A. Saturday Night Fever B. Grease
C. A Star Is Born D. The Wiz

Correct answer: A. Saturday Night Fever
The Recording Academy gave Album of the Year to the Saturday Night Fever soundtrack. The winning credits included the Bee Gees and other contributors.

573. What did Australian chemist Cyril Callister use as the basis for the spread that became Vegemite?

A. Brewer's yeast B. Roasted chickpeas
C. Barley malt D. Ground linseed

Correct answer: A. Brewer's yeast
Vegemite's archive credits Callister with developing the spread from brewer's yeast.

574. A diagram compares a plant leaf cell and an animal cheek cell. Which feature normally surrounds the plant cell outside its membrane and is absent from the animal cell?

A. Cell wall B. Cytoplasm
C. Nucleus D. Ribosomes

Correct answer: A. Cell wall
A plant cell has a supporting cell wall outside its membrane. Both kinds of cells have cytoplasm, a nucleus in these typical examples, and ribosomes.

575. Which French player scored both of his team’s first-half goals with headers in the 1998 final against Brazil?

A. Zinedine Zidane B. Emmanuel Petit
C. Youri Djorkaeff D. Didier Deschamps

Correct answer: A. Zinedine Zidane
Zidane headed in twice before halftime. France finished with a 3–0 win and its first men’s World Cup title.

576. A sample of the pale dune sand at White Sands National Park comes from a mineral also found there as selenite. What is the mineral?

A. Gypsum B. Quartz
C. Magnetite D. Feldspar

Correct answer: A. Gypsum
The dunes consist mostly of grains of gypsum. Selenite is a crystalline form of that same mineral.

577. In which year did the original Xbox first go on sale in North America?

A. 2001 B. 1999
C. 2000 D. 2005

Correct answer: A. 2001
Microsoft dates the North American release of its first Xbox console to November 15, 2001.

578. An original Earth Day organizer asks a college to host an environmental teach-in. Which event fits that request?

A. A public session where students and residents learn about and discuss local environmental issues
B. A closed meeting to choose next year's class schedule
C. A ceremony where officials read a list of new campus rules
D. A fair where visitors trade used books without a discussion topic

Correct answer: A. A public session where students and residents learn about and discuss local environmental issues
The teach-in format used public education and discussion to involve people in environmental issues.

579. A March 1947 speech by President Harry Truman asks Congress to assist two countries. Which pair is named in his initial request?

A. Greece and Türkiye B. France and Spain
C. Norway and Sweden D. India and Pakistan

Correct answer: A. Greece and Türkiye
Truman requested assistance for Greece and Türkiye. The policy set out in his speech became known as the Truman Doctrine.

580. In 1971, Charley Pride won the Country Music Association’s Male Vocalist of the Year award. Which other CMA award does the Hall of Fame list for him that year?

A. Entertainer of the Year B. Album of the Year
C. Musician of the Year D. Single of the Year

Correct answer: A. Entertainer of the Year
Pride won Entertainer of the Year in 1971 as well as Male Vocalist of the Year. He won the vocalist award again in 1972.

581. A walking map uses 1 cm for 400 m. How far is a 7.5 cm route?

A. 3 km B. 300 m
C. 30 km D. 1.875 km

Correct answer: A. 3 km
7.5 × 400 = 3,000 metres, equal to 3 km.

582. A fictional station records 42 degrees Fahrenheit at 7 a.m., 57 at 2 p.m. and 51 at 7 p.m. What is the difference between the highest and lowest of these three readings?

A. 15 degrees Fahrenheit B. 9 degrees Fahrenheit
C. 6 degrees Fahrenheit D. 19 degrees Fahrenheit

Correct answer: A. 15 degrees Fahrenheit
The highest recorded value is 57 and the lowest is 42. Their difference is 15 degrees Fahrenheit.

583. Which team finished the 1995–96 NBA regular season with 72 wins and 10 losses before winning the championship?

A. Chicago Bulls B. Seattle SuperSonics
C. Houston Rockets D. Orlando Magic

Correct answer: A. Chicago Bulls
Chicago posted a 72–10 regular-season record and defeated Seattle in the 1996 NBA Finals.

584. A California travel itinerary lists four cities. Which one is the state capital?

A. Sacramento B. Los Angeles
C. San Francisco D. San Diego

Correct answer: A. Sacramento
Sacramento is California’s capital. The state’s most familiar cities are useful distractors when reviewing the map.

585. What unusual ability does Matilda discover in the 1996 movie Matilda?

A. She can move objects without touching them. B. She can make herself invisible.
C. She can speak to animals. D. She can step into photographs.

Correct answer: A. She can move objects without touching them.
Matilda can make objects move with her mind. That ability is called telekinesis.

586. Which Islamic holiday marks the end of Ramadan?

A. Eid al-Fitr B. Eid al-Adha
C. Islamic New Year D. Laylat al-Qadr

Correct answer: A. Eid al-Fitr

The National Museum of the Philippines identifies Eid al-Fitr as the celebration that ends Ramadan. It also gives the name Hari-raya Puasa.

587. Small figures in Nauny’s tomb were meant to work on her behalf in the afterlife. Which kind of object are they?

A. A shabti figure B. A canopic lid
C. A scribe's palette D. A foundation tablet

Correct answer: A. A shabti figure

A worker shabti was intended to answer a call for labor on the deceased person's behalf in the afterlife.

588. Which musician took over the U.S. number-one spot from the Beatles in 1964 with a recording of ‘Hello, Dolly!’?

A. Louis Armstrong B. Nat King Cole
C. Ray Charles D. Tony Bennett

Correct answer: A. Louis Armstrong

Louis Armstrong’s recording reached number one after the Beatles held the top spot with three singles in succession.

589. The Odyssey is traditionally attributed to which ancient Greek poet?

A. Homer B. Sappho
C. Hesiod D. Pindar

Correct answer: A. Homer

The Odyssey is traditionally credited to Homer and follows Odysseus on his long journey home.

590. The bowl of a solid metal spoon sits in warm water. Later the handle above the water warms too. What process carries thermal energy along the metal?

A. Conduction B. Convection
C. Evaporation D. Condensation

Correct answer: A. Conduction

Thermal energy moves through the solid metal from the warmer end toward the cooler handle by conduction.

591. Which singer released the album The Fame in 2008?

A. Lady Gaga B. Adele
C. Katy Perry D. Rihanna

Correct answer: A. Lady Gaga

The Fame introduced hits including Just Dance and Poker Face.

592. The Taj Mahal stands in which Indian city?

A. Agra B. Delhi
C. Mumbai D. Jaipur

Correct answer: A. Agra
The Mughal mausoleum complex was built in Agra beside the Yamuna River.

593. Two neutral atoms each have 13 protons, but one has an extra neutron. What must both atoms be?

A. Aluminum B. Silicon
C. Magnesium D. Phosphorus

Correct answer: A. Aluminum
An atom with 13 protons is aluminum. The added neutron changes the isotope, while the proton count identifies the element.

594. Which team won the first Formula 1 constructors’ championship in 1958?

A. Vanwall B. Ferrari
C. Cooper D. BRM

Correct answer: A. Vanwall
Vanwall won the inaugural teams’ title in 1958. Formula 1 had already been awarding a world title to drivers since 1950.

595. Which object makes the largest contribution to the forces that generate Earth's ocean tides?

A. The Moon B. The Sun
C. Jupiter D. Mars

Correct answer: A. The Moon
The Moon produces the largest tide-generating effect on Earth. The Sun also contributes to the tidal pattern.

596. Where is Kevin's family flying in the first Home Alone film?

A. Paris B. Rome
C. New York D. Miami

Correct answer: A. Paris
Paris is the family's destination in the 1990 original; New York features in the sequel.

597. In Book 6 of Homer’s Odyssey, why does Nausicaa ask her father for a wagon before she meets Odysseus?

A. To carry clothing to the washing place by the river
B. To bring home firewood for a feast
C. To take food to sailors waiting at the harbor
D. To bring stones back for work on the palace

Correct answer: A. To carry clothing to the washing place by the river
Nausicaa asks for transport for the household clothes. She and her attendants take them to the water to wash them.

598. In 1906, Theodore Roosevelt used the Antiquities Act to proclaim the first U.S. national monument. Which landmark did the proclamation protect?

A. Devils Tower B. Mount Rushmore
C. Yosemite Valley D. Chimney Rock in Colorado

Correct answer: A. Devils Tower
Roosevelt’s proclamation established Devils Tower National Monument in Wyoming. It was the first national monument designated under the Antiquities Act.

599. Who scored three goals for England in the 1966 men’s World Cup final at Wembley?

A. Geoff Hurst B. Bobby Charlton
C. Gordon Banks D. Bobby Moore

Correct answer: A. Geoff Hurst
Geoff Hurst scored the first hat-trick in a men’s World Cup final. England won the match against West Germany 4–2.

600. Which living trees include the tallest known individual trees?

A. Coast redwoods B. Giant sequoias
C. English oaks D. Baobabs

Correct answer: A. Coast redwoods
Coast redwoods lead in height; giant sequoias are especially notable for trunk volume.

601. The Channel Tunnel opened in 1994. What kind of transport link did it create between England and France?

A. A pedestrian tunnel for walkers and cyclists
B. A motorway for trucks and cars driven end to end
C. A rail link for passenger and freight trains
D. A cable-car service with suspended cabins

Correct answer: C. A rail link for passenger and freight trains
Trains run through the Channel Tunnel. Shuttle trains can also carry vehicles across the Channel.

602. You might circle one of me on a calendar and stir another into a bowl of oats. What am I?

A. Raisin B. Number
C. Date D. Reminder

Correct answer: C. Date
A date identifies a day and is also the fruit of a date palm.

603. A museum labels a system ‘geothermal heat pump’ and describes its use for heating and cooling a building. Which source does the system use?

A. Electricity collected by a water turbine B. Moving air high above the building
C. The relatively steady temperature below the surface
D. Sunlight concentrated in a rooftop mirror

Correct answer: C. The relatively steady temperature below the surface
A ground-source heat pump exchanges heat with the soil or rock, whose temperature varies less than the outdoor air.

604. After Albertville 1992, which city hosted the next Winter Olympics just two years later, as the Summer and Winter Games moved to different years?

A. Salt Lake City B. Nagano
C. Lillehammer D. Turin

Correct answer: C. Lillehammer
Lillehammer hosted the Winter Games in 1994. The two-year gap moved the Winter Games to a different point in the four-year Olympic cycle from the Summer Games.

605. Which Philippine peninsula surrendered on April 9, 1942, before the forced march named in the National Historical Commission memorial?

A. Zamboanga B. Bicol
C. Bataan D. Bondoc

Correct answer: C. Bataan
The fall of Bataan preceded the forced march of Filipino and American prisoners of war. The historical marker identifies the march’s locations and dates.

606. Which emotion is represented by the blue character in the original Inside Out?

A. Disgust B. Fear
C. Sadness D. Anger

Correct answer: C. Sadness
Sadness becomes essential to helping Riley process change and seek support.

607. Which materials does the Historic New Orleans Collection describe being sewn by hand into Black Masking Indian suits such as Chief Howard Miller’s 2017–18 suit?

A. Ceramic tiles and metal hinges B. Pressed leaves and dried flowers
C. Beads and rhinestones D. Painted wood blocks and leather straps

Correct answer: C. Beads and rhinestones
The museum documents the time and handwork involved in sewing thousands of beads and rhinestones into the design.

608. A 1960 Olympic record lists women's gold medals in the 100 meters, 200 meters, and 4 × 100-meter relay. Which U.S. sprinter won all three?

A. Alice Coachman B. Althea Gibson
C. Wilma Rudolph D. Wyomia Tyus

Correct answer: C. Wilma Rudolph
Rudolph won the two individual sprints and ran on the U.S. relay team that won gold in Rome.

609. What feature near Earth did scientists identify using 1958 measurements from Explorer 1 and Explorer 3?

A. A second natural satellite orbiting beyond the Moon
B. A ring of ice particles orbiting above Earth’s equator
C. A belt of charged particles trapped by Earth’s magnetic field
D. A gap in Earth’s gravity above the North Pole

Correct answer: C. A belt of charged particles trapped by Earth’s magnetic field
The two missions provided evidence for an inner radiation belt. Later measurements helped identify an outer belt as well.

610. Which country's flag features a red maple leaf?

A. Austria B. Switzerland
C. Canada D. Denmark

Correct answer: C. Canada
Canada adopted its maple-leaf flag in 1965.

611. A survey finds students who own binoculars report seeing more bird species. Which claim fits this evidence?

A. More species in an area always cause students to buy binoculars.
B. Buying binoculars will make every student see more species.
C. Binocular ownership and reported sightings were associated.
D. Time outdoors cannot affect the number of species seen.

Correct answer: C. Binocular ownership and reported sightings were associated.
The study found an association. Another factor, such as time spent outdoors, could help explain both the equipment and the sightings.

612. Which opponent did the Chicago Bears defeat 46–10 in Super Bowl XX in January 1986?

A. Denver Broncos B. Miami Dolphins
C. New England Patriots D. Los Angeles Raiders

Correct answer: C. New England Patriots
The Bears beat New England to cap their 1985 season with a championship.

613. Which country uses light blue outer bands, a white center band, and a Sun of May centered on its national flag?

A. Paraguay B. Uruguay
C. Argentina D. Chile

Correct answer: C. Argentina
Argentina's flag has three horizontal bands in light blue, white, and light blue. The sun sits in the middle of the white band.

614. Which actor played the Doctor when Doctor Who first aired in November 1963?

A. Jon Pertwee B. Patrick Troughton
C. William Hartnell D. Tom Baker

Correct answer: C. William Hartnell
The BBC’s official Doctor Who episode guide credits William Hartnell in the first story, An Unearthly Child, which began in November 1963.

615. When historian Joseph Boskin made up a story about an April Fools’ king, what inspired the name King Kugel?

A. A medieval coin B. A kind of crown
C. A noodle casserole D. A board game piece

Correct answer: C. A noodle casserole
Boskin's jester was fictional. The historian said he chose the name after kugel, a noodle casserole.

616. Why was the clash between USS Monitor and CSS Virginia at Hampton Roads a naval milestone?

A. It ended the Union blockade of Southern ports
B. It was the first naval engagement ever fought at night
C. It was the first battle between ironclad warships
D. It was the first Civil War battle on the Mississippi

Correct answer: C. It was the first battle between ironclad warships
Both vessels were armored. Their inconclusive engagement in March 1862 demonstrated a challenge to wooden warships.

617. Run-D.M.C.’s 1986 recording of ‘Walk This Way’ featured Steven Tyler and Joe Perry. Which band were they from?

A. Van Halen B. Def Leppard
C. Aerosmith D. Mötley Crüe

Correct answer: C. Aerosmith
Tyler and Perry came from Aerosmith, the band that originally recorded the song. They contributed to Run-D.M.C.’s version on Raising Hell.

618. A telegraph cable linked Ireland and Newfoundland briefly in 1858. In which year did a laid cable provide a lasting link after further attempts?

A. 1874 B. 1861
C. 1866 D. 1888

Correct answer: C. 1866
The 1858 connection failed within weeks. A new cable was successfully laid in 1866.

619. A monitoring record notes that acidic substances carried in the air reach a hillside in rain. Which process describes their transfer from the atmosphere to the hillside?

A. Evaporation B. Dry deposition
C. Wet deposition D. Infiltration

Correct answer: C. Wet deposition
When precipitation carries acidic substances to the ground, the transfer is wet deposition. In dry deposition, gases or particles reach surfaces without precipitation.

620. With a runner on first, the batter grounds a fair ball and runs toward first base. Why is the runner from first forced to go to second?

A. The batter loses a strike when the runner holds
B. Every ground ball requires every runner to move
C. The batter has become a runner entitled to first base
D. The runner must advance whenever a fielder touches the ball

Correct answer: C. The batter has become a runner entitled to first base
The batter becoming a runner takes away the first runner's right to stay put. A fielder holding the ball can get a force out by touching second before that runner reaches it.

621. The correct capital for Iceland has been lost among four North Atlantic or Nordic entries. Which label belongs beside Iceland?

A. Stockholm B. Dublin
C. Reykjavík D. Helsinki

Correct answer: C. Reykjavík
Reykjavík is Iceland's capital. The other labels belong to other countries.

622. Which U.S. city was home to Motown Records' original Hitsville U.S.A. studio?

A. Memphis B. Chicago
C. Detroit D. Cleveland

Correct answer: C. Detroit
Motown's original studio was on West Grand Boulevard in Detroit and is now part of the Motown Museum.

623. In Mary Shelley's Frankenstein, 'Frankenstein' is primarily the surname of whom?

A. The ship's captain B. The scientist's creation
C. The scientist D. The murdered servant

Correct answer: C. The scientist
Victor Frankenstein creates the unnamed being often mistakenly called Frankenstein.

624. An 1882 immigration record refers to a ten-year suspension. Whose entry did the Chinese Exclusion Act specifically suspend?

A. Chinese diplomats B. All immigrants from East Asia
C. Chinese laborers D. Chinese merchants as a class

Correct answer: C. Chinese laborers
The act targeted Chinese laborers. Its text treated qualifying entrants such as merchants differently from laborers.

625. In Deathly Hallows Part 2, Harry, Ron, and Hermione leave a place full of vaults by riding a dragon. Where does the escape begin?

A. Azkaban prison B. The Ministry of Magic
C. Gringotts Wizarding Bank D. Hogwarts Castle

Correct answer: C. Gringotts Wizarding Bank
The dragon carries the trio out of Gringotts Wizarding Bank. A separate studio set was built for Gringotts in the final film.

626. A warm afternoon heats the land faster than the nearby sea. Which direction does a sea breeze move at the surface?

A. Straight up over the water with no surface flow B. From land toward water
C. From water toward land D. It always blows along the coastline

Correct answer: C. From water toward land
Cooler air over the water moves inland as warmed air over the land rises.

627. An octopus has how many hearts?

A. Two B. One
C. Three D. Four

Correct answer: C. Three
Two hearts pump blood to the gills; a third supplies the rest of the body.

628. Which pair wrote ‘We Are the World,’ the charity single that won Song of the Year at the 1986 Grammys?

A. Diana Ross and Quincy Jones B. Stevie Wonder and Paul McCartney
C. Michael Jackson and Lionel Richie D. Bruce Springsteen and Cyndi Lauper

Correct answer: C. Michael Jackson and Lionel Richie
The Recording Academy lists Michael Jackson and Lionel Richie as the songwriters honored for the single.

629. Three friends each play one game against every other friend. How many games are played?

A. Nine B. Six
C. Three D. Two

Correct answer: C. Three
The unique pairings are AB, AC and BC.

630. A mature leaf in the sun is making more sugar than it needs. A growing root tip below ground needs sugar. Which route can carry sugars to that root tip?

A. From the root tip to the mature leaf through phloem
B. From the mature leaf to the root tip through xylem
C. From the mature leaf to the root tip through phloem
D. From the root tip to the mature leaf through xylem

Correct answer: C. From the mature leaf to the root tip through phloem
The leaf supplies sugars to other parts of the plant. Phloem carries them from sources such as mature leaves to places using them, such as growing roots.

631. Adam van Koeverden won gold and bronze for Canada in Athens in 2004, both in single-kayak sprint races. Which pairing matches his results?

A. 500 meters silver and 1,000 meters bronze
B. 500 meters bronze and 1,000 meters gold
C. 500 meters gold and 1,000 meters bronze D. 500 meters gold and 1,000 meters silver

Correct answer: C. 500 meters gold and 1,000 meters bronze
Van Koeverden took bronze in the 1,000-meter kayak singles, then won gold in the 500-meter race the following day.

632. Which map label correctly places Tubbataha Reefs Natural Park and identifies one of its protected features?

A. Sulu Sea and limestone caves B. Celebes Sea and coral atolls
C. Sulu Sea and coral atolls D. Philippine Sea and river deltas

Correct answer: C. Sulu Sea and coral atolls
UNESCO places Tubbataha in the Sulu Sea. The park protects three atolls as well as deep-water habitats.

633. In The Lord of the Rings, who carries the One Ring for most of the quest to Mordor?

A. Aragorn B. Bilbo Baggins
C. Frodo Baggins D. Gimli

Correct answer: C. Frodo Baggins
Frodo accepts the burden of taking the Ring toward its destruction.

634. Which U.S. president opened the White House grounds to children for the first White House Easter Egg Roll recorded in 1878?

A. James A. Garfield B. Ulysses S. Grant
C. Rutherford B. Hayes D. Grover Cleveland

Correct answer: C. Rutherford B. Hayes
The White House Historical Association dates the event to Easter Monday, April 22, 1878, during Hayes's presidency.

635. A 1926 poetry collection called The Weary Blues draws on music and Black life. Who wrote it?

A. Claude McKay B. Countee Cullen
C. Langston Hughes D. Jean Toomer

Correct answer: C. Langston Hughes
The Weary Blues was Hughes's first book of poetry. The title poem voices the sound and feeling of a blues performance.

636. Who played bass alongside guitarist Scotty Moore on Elvis Presley's 1954 recording of That's All Right?

A. Chet Atkins B. D. J. Fontana
C. Bill Black D. Sam Phillips

Correct answer: C. Bill Black
Sun Records identifies Bill Black as the bassist and Scotty Moore as the guitarist on the July 5 session in Memphis.

637. Which pair are homophones in common English pronunciation?

A. Sea and say B. Sea and see
C. See and sigh D. Sea and sun

Correct answer: B. Sea and see
Sea and see sound alike despite different spelling and meaning.

638. A fictional town’s annual average rises from 16.0 to 16.6 degrees Celsius when comparing two 30-year periods. The town also records a very cold day during the later period. Which statement fits both observations?

A. A warmer average means each day must be warmer.
B. The cold day proves the two period averages are equal.
C. The cold day can occur while the multiyear average rises.
D. A cold day changes the meaning of the 30-year average to a daily reading.

Correct answer: C. The cold day can occur while the multiyear average rises.
A long-term average can change even though individual days still vary. One cold day is compatible with a higher average in the later period.

639. On fourth-and-3 at its own 40, an NFL offense throws a forward pass that lands incomplete 15 yards downfield. With no penalty, where does the other team's next drive begin?

A. At midfield B. At the spot where the pass landed
C. At the same 40-yard line where the play began D. At the other team's 25-yard line

Correct answer: C. At the same 40-yard line where the play began
A fourth-down incompletion fails to earn another down. The other team takes over at the previous spot.

640. A route starts on the Massachusetts mainland and follows a peninsula that curves north to Provincetown. Which peninsula is it?

A. Delmarva Peninsula B. Cape Ann
C. Cape Cod D. Door Peninsula

Correct answer: C. Cape Cod
Provincetown sits near the curled tip of Cape Cod in Massachusetts.

641. Which continent is the setting for the remote research station in John Carpenter’s 1982 The Thing?

A. North America B. Europe
C. Antarctica D. Asia

Correct answer: C. Antarctica
The American Film Institute’s catalogue places the station in Antarctica.

642. Japanese temple bells sounded for Joya no Kane traditionally ring how many times in total?

A. 60 B. 24
C. 108 D. 100

Correct answer: C. 108
The New Year’s bell tradition calls for 108 tolls. Individual temples can differ in when they begin ringing.

643. A visitor in 1851 attends the Great Exhibition inside the new Crystal Palace. Where in London does the visitor go?

A. Greenwich Park B. Regent’s Park
C. Hyde Park D. St. James’s Park

Correct answer: C. Hyde Park
The Crystal Palace was built in Hyde Park for the 1851 Great Exhibition. It housed displays of materials, machines, and manufactured goods from Britain and abroad.

644. Who joined Pete Bellotte as a producer of Donna Summer’s 1977 recording ‘I Feel Love’?

A. Quincy Jones B. Nile Rodgers
C. Giorgio Moroder D. Patrick Cowley

Correct answer: C. Giorgio Moroder
The Library of Congress names Moroder and Bellotte as producers and co-writers of the recording.

645. A trail map has small shapes printed beside named places. Where should you look to find what each shape stands for?

A. The north arrow B. The map’s publication date
C. The map legend D. The distance scale

Correct answer: C. The map legend
A map legend, also called a key, pairs the symbols with the features they represent.

646. A sedimentary rock consists mainly of rounded, gravel-sized pebbles cemented together. Which rock name fits that description?

A. Sandstone B. Breccia
C. Conglomerate D. Shale

Correct answer: C. Conglomerate
Conglomerate forms when rounded gravel-sized fragments become cemented together.

647. How many points are awarded for a standard NFL safety during regular play?

A. Three B. One
C. Two D. Six

Correct answer: C. Two
A safety during regular play is worth two points. One way it occurs is when an offensive ball carrier is tackled in their own end zone.

648. Brazil's capital is marked as Rio de Janeiro on a map for current geography practice. Which city should be marked?

A. Salvador B. São Paulo
C. Brasília D. Recife

Correct answer: C. Brasília
Brasília is Brazil’s current national capital. Move the national capital symbol there.

649. What is the main bean traditionally fermented to make Japanese miso?

A. Pinto bean B. Kidney bean
C. Soybean D. Lima bean

Correct answer: C. Soybean
Traditional miso ferments soybeans with salt and koji, which can be made with rice, barley, or soybeans.

650. A French bûche de Noël cake is traditionally shaped like what?

A. A star B. A bell
C. A log D. A wreath

Correct answer: C. A log
The cake evokes the older custom of burning a Yule log.

651. A declaration dated January 1, 1804, announced the break with France of the colony formerly called Saint-Domingue. Which independent country emerged?

A. Cuba B. Jamaica
C. Haiti D. Dominican Republic

Correct answer: C. Haiti
The document proclaimed Haiti's independence. Saint-Domingue had occupied the western part of the island of Hispaniola.

652. In The Last Jedi, disturbing Crait's pale surface exposes the red layer below. What covers that red layer?

A. Frozen water B. Powdered chalk
C. White salt D. Pale sand

Correct answer: C. White salt
Director Rian Johnson designed Crait with a red layer underneath a white layer of salt.

653. A yellow leaf’s pigments were present while the leaf was still green. Which pigment group can show yellow or orange after chlorophyll fades?

A. Hemoglobins B. Chlorophylls
C. Carotenoids D. Melanins

Correct answer: C. Carotenoids
Carotenoids can show through when declining chlorophyll no longer masks them.

654. According to the Smithsonian, what does Opal Lee’s 2.5-mile walk symbolize?

A. The number of years it took Texas to pass its holiday law
B. About two and a half miles between two early Houston parks
C. About two and a half years between the proclamation and the announcement in Texas
D. The length of the parade route in the first federal observance

Correct answer: C. About two and a half years between the proclamation and the announcement in Texas

The museum connects the walking distance to the interval between the Emancipation Proclamation and the announcement in Texas.

655. Which description fits the Polaroid SX-70 camera introduced in the 1970s?

A. A compact digital camera that stored images electronically
B. A folding movie camera that used Super 8 film
C. A folding camera that took instant photographs
D. A studio camera that exposed glass plates

Correct answer: C. A folding camera that took instant photographs

The SX-70 was an instant-film camera with a folding body that became compact when closed.

656. Which river valley does the Llangollen Canal cross on the Pontcysyllte Aqueduct in North Wales?

A. Wye B. Severn
C. Dee D. Teifi

Correct answer: C. Dee

The Canal & River Trust identifies the River Dee beneath the aqueduct. The Llangollen Canal crosses the valley high above it.

657. In a one-gene model, a plant’s genotype is written Bb. What does that tell you about its pair of alleles?

A. It has two copies of the lowercase allele. B. It has two copies of the uppercase allele.
C. It has two different versions of the gene.
D. It has only one version of the gene and no second copy.

Correct answer: C. It has two different versions of the gene.

B and b mark two different alleles. A genotype with one of each is called heterozygous.

658. Roger Milla helped Cameroon win its round-of-16 match 2–1 at the 1990 tournament in Italy. Which team did Cameroon eliminate?

A. Argentina B. Romania
C. Colombia D. England

Correct answer: C. Colombia

Cameroon beat Colombia to reach the quarterfinals. Milla scored after taking the ball from Colombia goalkeeper René Higuita.

659. Oregon’s Crater Lake fills part of a bowl-shaped basin. What formed that basin?

A. A meteorite impact that built Mount Mazama B. A dam across the Columbia River
C. The collapse of Mount Mazama D. A marine inlet cut off by a sandbar

Correct answer: C. The collapse of Mount Mazama

The central part of the volcano collapsed to form a caldera. Rain and snow later supplied water to the basin.

660. Which 1976 console used removable cartridges and was developed by the Fairchild team led by Jerry Lawson?

A. Intellivision B. Atari 2600
C. Channel F D. ColecoVision

Correct answer: C. Channel F

The Fairchild Channel F let owners change games by inserting a different cartridge. Lawson led the team that developed the system.

661. Who did Gaylord Nelson recruit to coordinate campus teach-ins and bring the first Earth Day to a wider public?

A. Russell Train B. John McConnell
C. Denis Hayes D. William Ruckelshaus

Correct answer: C. Denis Hayes

Denis Hayes coordinated the first nationwide effort and helped extend it from campuses to communities.

662. In 1959, Richard Nixon and Nikita Khrushchev debated in an American model kitchen at an exhibition in Moscow. Why was a kitchen an apt setting for the exchange?

A. It was the control room of a joint scientific mission.
B. It was where a treaty for common household appliance standards was signed.
C. It provided a way to compare everyday living standards under rival economic systems.
D. It was used to negotiate the legal reunification of Germany.

Correct answer: C. It provided a way to compare everyday living standards under rival economic systems.

The model kitchen offered a familiar example of what people might buy and use. The leaders used it to debate the merits of their systems.

663. Which Emmylou Harris album includes ‘Boulder to Birmingham,’ her tribute to Gram Parsons?

A. Luxury Liner B. Elite Hotel
C. Pieces of the Sky D. Quarter Moon in a Ten Cent Town

Correct answer: C. Pieces of the Sky

Harris included the tribute on Pieces of the Sky, her 1975 debut for the Reprise label.

664. A report calls a cost 'annual' and lists $240. What is the equal monthly share?

A. $24 B. $20
C. $12 D. $30

Correct answer: B. $20
An annual cost spans twelve months; 240 divided by 12 is 20.

665. Two fictional stations both read 70 degrees Fahrenheit. Station A has a dew point of 68 degrees and Station B has a dew point of 50 degrees. At which station is relative humidity higher?

A. They have the same relative humidity. B. Station B
C. Station A D. Dew point cannot help compare humidity at the same air temperature.

Correct answer: C. Station A
At the same air temperature, a higher dew point means the air is closer to saturation. Station A has the smaller gap between temperature and dew point.

666. How many regular-season games did each team play in the NBA’s lockout-shortened 1998–99 season?

A. 60 B. 55
C. 50 D. 66

Correct answer: C. 50
The labor stoppage delayed the start of play, so the NBA used a 50-game schedule that season.

667. An Oregon travel route is supposed to include the state capital. Which stop meets that requirement?

A. Eugene B. Portland
C. Salem D. Bend

Correct answer: C. Salem
Salem meets the requirement. The other proposed stops are Oregon cities outside the capital.

668. The film Hidden Figures follows three women whose work supports the early U.S. space program. Which agency do they work for in the film?

A. The U.S. Geological Survey B. The Federal Aviation Administration
C. NASA D. The National Park Service

Correct answer: C. NASA
The film follows the three women at NASA as the agency works to send astronaut John Glenn into orbit.

669. What type of food is songpyeon, which Korea’s National Folk Museum associates with Chuseok?

A. Wheat flatbreads B. Buckwheat noodles
C. Rice cakes D. Pickled vegetables

Correct answer: C. Rice cakes
Songpyeon are rice cakes. The museum describes a custom of making them for Chuseok with newly harvested rice.

670. A scribe needs a flowing script for an ink text on papyrus. Which script was a cursive counterpart to Egyptian hieroglyphs?

A. The Greek alphabet B. Cuneiform
C. Hieratic D. The Latin alphabet

Correct answer: C. Hieratic
Hieratic adapted Egyptian signs into forms suited to writing with ink. Scribes used it for many texts on papyrus and other materials.

671. How many shows did Johnny Cash record at Folsom State Prison on January 13, 1968, for the album At Folsom Prison?

A. Three B. One
C. Two D. Four

Correct answer: C. Two
Cash recorded two shows that day. The original album drew its tracks from those sessions.

672. Which sport began as a YMCA game called Mintonette?

A. Basketball B. Badminton
C. Volleyball D. Table tennis

Correct answer: C. Volleyball
William G. Morgan invented the game in 1895. It acquired the name volleyball because players volleyed the ball across the net.

673. A fictional field report describes long parallel grooves on the exposed bedrock of a valley floor. Which process can create these features?

A. Minerals crystallized as water evaporated.
B. A pool of lava cooled into a layer of new rock.
C. A glacier dragged embedded stones over the bedrock.
D. Fine mud settled on the floor of a still lake.

Correct answer: C. A glacier dragged embedded stones over the bedrock.
Rock fragments caught beneath moving glacial ice can scrape parallel grooves, called striations, in the bedrock underneath.

674. Who plays Captain Jack Sparrow in the Pirates of the Caribbean films?

A. Geoffrey Rush B. Orlando Bloom
C. Johnny Depp D. Javier Bardem

Correct answer: C. Johnny Depp
Bloom plays Will Turner and Rush plays Barbossa; Depp plays Sparrow.

675. Lines of latitude measure distance north or south of what?

A. The prime meridian B. The Equator
C. The International Date Line D. The Tropic of Capricorn

Correct answer: B. The Equator
Latitude starts at zero at the Equator and reaches 90 degrees at each pole.

676. A diagram shows two hydrogen atoms sharing a pair of electrons. Which bond does the pair represent?

A. Metallic bond B. Ionic bond
C. Covalent bond D. Hydrogen bond

Correct answer: C. Covalent bond
The pair is shared by the two bonded atoms, the defining feature of a covalent bond.

677. Which team finished at the top of the official 2009 constructors’ standings with 172 points?

A. McLaren Mercedes B. Red Bull Racing Renault
C. Brawn Mercedes D. Ferrari

Correct answer: C. Brawn Mercedes
Brawn’s 172 points placed it first. Red Bull Racing finished second, followed by McLaren.

678. What name describes the upper ocean zone with enough sunlight for widespread photosynthesis?

A. Twilight zone B. Midnight zone
C. Euphotic zone D. Abyssal zone

Correct answer: C. Euphotic zone
The euphotic zone is the sunlit layer. Farther down, light becomes too weak to support most photosynthesis.

679. Which town does Jack Skellington call home?

A. Whoville B. Christmas Town
C. Halloween Town D. Arendelle

Correct answer: C. Halloween Town
Jack discovers Christmas Town while living in Halloween Town.

680. In Book 18 of Homer’s Iliad, what feature lets the tripods in Hephaestus’s workshop move to the gods’ gathering on their own?

A. Bronze springs that make them hop B. Wings attached to their sides
C. Golden wheels underneath them D. Silver chains that pull them through the doorway

Correct answer: C. Golden wheels underneath them

The poem gives each tripod golden wheels. The wheels let the tripods go to the gathering and return by themselves.

681. Which president signed the 1958 legislation establishing NASA as a civilian agency?

A. John F. Kennedy B. Harry S. Truman
C. Dwight D. Eisenhower D. Lyndon B. Johnson

Correct answer: C. Dwight D. Eisenhower

Eisenhower signed the National Aeronautics and Space Act on July 29, 1958. NASA began operating later that year.

682. In which city did independent African states meet to establish the Organisation of African Unity in May 1963?

A. Dakar B. Accra
C. Addis Ababa D. Cairo

Correct answer: C. Addis Ababa

The founding charter was adopted in Addis Ababa, Ethiopia, on May 25, 1963.

683. Which is Earth's largest desert when polar deserts are included?

A. Gobi B. Sahara
C. Antarctic desert D. Arabian Desert

Correct answer: C. Antarctic desert

A desert is defined by low precipitation, not heat; Antarctica is the largest.

684. A diagram shows a tiny kidney unit with a blood-filtering cluster and a connected tubule. What is the complete unit called?

A. Villus B. Alveolus
C. Nephron D. Axon

Correct answer: C. Nephron

A nephron includes the renal corpuscle, where fluid is filtered, and a tubule, where the fluid is modified.

685. The 2012 men’s Africa Cup of Nations ended with a final in Libreville, Gabon. Which national team lifted the trophy there?

A. Mali B. Ghana
C. Zambia D. Côte d’Ivoire

Correct answer: C. Zambia
Zambia won the continental title at the 2012 final in Libreville.

686. Machu Picchu's stone terraces cross a steep ridge. What practical advantage would terrace construction offer in its agricultural area?

A. It shifts the fields from the ridge down to the valley floor.
B. It makes the whole slope steeper for cultivation.
C. It creates flatter surfaces for cultivation on the slope.
D. It puts all the ridgeline fields at the same elevation.

Correct answer: C. It creates flatter surfaces for cultivation on the slope.
Terraces break a slope into a series of flatter surfaces. At Machu Picchu, stone terraces helped create usable ground for activities such as farming.

687. Which pair created Friends and later gave the Television Academy an oral history of how they pitched it?

A. Philip Rosenthal and Ray Romano B. James Burrows and Greg Grande
C. Marta Kauffman and David Crane D. Tina Fey and Robert Carlock

Correct answer: C. Marta Kauffman and David Crane
Kauffman and Crane created the series and described pitching it to NBC in their oral history.

688. In 2023, An Post issued St. Patrick’s Day stamps showing a lion motif from an illustrated medieval manuscript. Which manuscript supplied the design?

A. The Book of Armagh B. The Book of Durrow
C. The Book of Kells D. The Lindisfarne Gospels

Correct answer: C. The Book of Kells
Ireland’s postal service took the lion motif from the Book of Kells. It issued one design for national mail and another for international mail.

689. During World War II, what two victories did the U.S. ‘Double V’ campaign seek?

A. Victory in two presidential elections B. Victory in Europe and the Pacific only
C. Victory over fascism abroad and racism at home
D. Victory over food and fuel shortages

Correct answer: C. Victory over fascism abroad and racism at home
The campaign connected the fight against fascism abroad with the fight against racial discrimination in the United States.

690. Which 1969 album by the Who includes ‘Pinball Wizard’ in its original track list?

A. The Who Sell Out B. Quadrophenia
C. Tommy D. Who’s Next

Correct answer: C. Tommy
The Who’s discography lists ‘Pinball Wizard’ on Tommy, which the band released in 1969.

691. Gentoo penguins build raised nests from which surprising material?

A. Sheets of ice B. Feathers
C. Small stones D. Dry reeds

Correct answer: C. Small stones
Gentoo penguins pile up stones to make a nest that helps keep their eggs in place.

692. A field guide describes a North American bog with acidic water and deep peat. Which kind of vegetation typically forms its thick living carpet?

A. Cattails B. Duckweed
C. Sphagnum moss D. Water clover

Correct answer: C. Sphagnum moss
Sphagnum moss holds water and thrives in the acidic conditions typical of bogs. Its remains contribute to the peat below the living layer.

693. With eligible substitutes available in an NBA game, which personal foul disqualifies a player?

A. The fifth B. The fourth
C. The sixth D. The seventh

Correct answer: C. The sixth
An NBA player is disqualified upon committing a sixth personal foul under normal substitution conditions.

694. A route lists Chattogram as the first stop and Bangladesh's capital as the second. Which two-stop route fits?

A. Chattogram → Sylhet B. Dhaka → Chattogram
C. Chattogram → Dhaka D. Sylhet → Dhaka

Correct answer: C. Chattogram → Dhaka
The plan has to start in Chattogram and end in Dhaka, the national capital of Bangladesh.

695. Who directed the 1950 Japanese film Rashomon?

A. Kenji Mizoguchi B. Yasujirō Ozu
C. Akira Kurosawa D. Masaki Kobayashi

Correct answer: C. Akira Kurosawa
Akira Kurosawa directed Rashomon. The film helped introduce more international audiences to Japanese cinema.

696. Which Indigenous people joined English colonists at the 1621 harvest gathering at Patuxet, where Plymouth was settled?

A. Seminole B. Cherokee
C. Wampanoag D. Hopi

Correct answer: C. Wampanoag
Wampanoag people joined English colonists at the gathering recorded in 1621.

697. A museum's theater timeline puts a production of The Persians in Athens in 472 BCE. Which playwright wrote the work?

A. Euripides B. Sophocles
C. Aeschylus D. Aristophanes

Correct answer: C. Aeschylus
The Persians is the earliest surviving play by Aeschylus. It was produced in Athens in 472 BCE.

698. In Spider-Man: Homecoming (2017), which established superhero acts as Peter Parker’s new mentor?

A. Bruce Banner B. Steve Rogers
C. Tony Stark D. Stephen Strange

Correct answer: C. Tony Stark
Tony Stark takes on a mentoring role while Peter tries to balance school and his life as Spider-Man.

699. A host puts six pencils in each of twelve boxes. How many pencils are in the boxes altogether?

A. 18 B. 36
C. 60 D. 72

Correct answer: D. 72
There are twelve groups of six, so 12 × 6 = 72 pencils.

700. Which spacecraft pair was launched in 1977 to explore the outer planets?

A. Spirit and Opportunity B. Viking 1 and 2
C. Voyager 1 and 2 D. Pioneer 3 and 4

Correct answer: C. Voyager 1 and 2
The Voyager probes used a favorable planetary alignment to explore the outer solar system.

701. An instrument report gives magnetic flux density in webers per square meter. Which named SI unit means the same thing?

A. Tesla B. Henry
C. Farad D. Coulomb

Correct answer: A. Tesla
One tesla equals one weber per square meter. The weber alone measures magnetic flux.

702. Two fictional reservoir samples have the same measured salt concentration. One looks cloudier and scatters more light. Which measurement would be higher for the cloudier sample?

A. Turbidity B. Salinity
C. Water temperature D. Dissolved oxygen

Correct answer: A. Turbidity
Turbidity tracks how strongly a sample scatters light and is an indicator of clarity. Cloudier water has higher turbidity.

703. With one out, a fielder catches a fly ball. The runner on third tags up and scores. What does the scorer credit the batter with?

A. A sacrifice fly B. A ground-rule double
C. A sacrifice bunt D. A stolen base

Correct answer: A. A sacrifice fly
A caught fly ball that lets a runner score after tagging up is a sacrifice fly. It does not count as an at-bat for the batter.

704. A directory distinguishes the country of Luxembourg from its capital. Which city belongs in the capital field?

A. Luxembourg City B. Esch-sur-Alzette
C. Differdange D. Dudelange

Correct answer: A. Luxembourg City
The capital city is also called Luxembourg. Luxembourg City makes clear that the label refers to the city.

705. The setting of 'Ode to Joy' appears in the finale of which Beethoven symphony?

A. No. 9 B. No. 3
C. No. 5 D. No. 7

Correct answer: A. No. 9
The Ninth Symphony brings solo singers and a chorus into its final movement to sing Friedrich Schiller's text.

706. The word 'werewolf' refers to a person who transforms into which animal?

A. Wolf B. Bat
C. Bear D. Raven

Correct answer: A. Wolf
Werewolf traditions concern humans taking a wolf's form.

707. Which change did the original Social Security Act use to address old-age financial insecurity?

A. A federal system of old-age benefits for eligible workers
B. Free medical coverage for every person over 65
C. Savings accounts for all federal employees
D. Mortgage guarantees for returning veterans

Correct answer: A. A federal system of old-age benefits for eligible workers
The 1935 law established federal old-age benefits for eligible workers. Its original coverage excluded many kinds of employment.

708. Who plays Gilderoy Lockhart, the professor who enjoys showing off his fame in Chamber of Secrets?

A. Kenneth Branagh B. Jason Isaacs
C. Gary Oldman D. Alan Rickman

Correct answer: A. Kenneth Branagh
The AFI film catalogue credits Kenneth Branagh as Gilderoy Lockhart, the new Defense Against the Dark Arts teacher.

709. A stargazing leader asks visitors to connect Vega, Altair, and Deneb. What pattern will they trace?

A. The Summer Triangle B. Orion’s Belt
C. The Big Dipper D. The Northern Cross

Correct answer: A. The Summer Triangle
Those three stars form the Summer Triangle, an asterism that is prominent on many Northern Hemisphere summer evenings.

710. A cleaner fish eats parasites off a larger fish. Both benefit. What is this relationship called?

A. Mutualism B. Parasitism
C. Predation D. Competition

Correct answer: A. Mutualism
Mutualism benefits both species: food for the cleaner and parasite removal for its client.

711. Who won the inaugural women’s Olympic marathon at Los Angeles 1984?

A. Joan Benoit Samuelson B. Grete Waitz
C. Rosa Mota D. Ingrid Kristiansen

Correct answer: A. Joan Benoit Samuelson
Joan Benoit, later Joan Benoit Samuelson, won the first women’s Olympic marathon.

712. One of two boxes contains a prize. A says 'The prize is in B.' B says 'The prize is not in B.' Exactly one label is true. What can you determine?

A. Either box could contain it B. It must be in A
C. It must be in B D. Neither box contains it

Correct answer: A. Either box could contain it
The labels are opposites, so exactly one is true regardless of which box contains the prize.

713. A seed forms on a parent plant and stores some of the sugars the parent made. In what form can a plant store those sugars for the seedling to use after germination?

A. Starch B. Cellulose
C. Chlorophyll D. Oxygen

Correct answer: A. Starch
A plant can link sugar units into starch. Stored starch supplies sugar for early seedling growth before its own leaves can meet its needs.

714. A label for the Antwerp 1920 opening ceremony names Belgium’s Victor Boin and the five-ring flag. What happened for the first time at the Games?

A. The Olympic flag flew, and Boin took the athletes’ oath.
B. The Olympic flag flew, and Boin lit the stadium cauldron.
C. The athletes’ oath was taken, and Boin carried the torch into the stadium.
D. The first torch relay ended, and Boin led its final leg.

Correct answer: A. The Olympic flag flew, and Boin took the athletes’ oath.
Antwerp’s opening ceremony featured the first flying of the Olympic flag at the Games. Boin became the first athlete to speak the Olympic oath.

715. Which dance in the Bayanihan Philippine Dance Company’s Smithsonian Folkways collection features dancers stepping between two bamboo poles?

A. Tinikling B. Cariñosa
C. Pandanggo sa Ilaw D. Itik-Itik

Correct answer: A. Tinikling
The album describes Tinikling dancers timing their steps to the music as they move between two bamboo poles.

716. Which musician was born Farrokh Bulsara?

A. Freddie Mercury B. David Bowie
C. Elton John D. George Michael

Correct answer: A. Freddie Mercury
Queen's frontman adopted the stage name Freddie Mercury.

717. In Luke 24:13–16, which village are two disciples walking toward when Jesus joins them?

A. Emmaus B. Bethlehem
C. Bethany D. Nazareth

Correct answer: A. Emmaus
Luke names Emmaus as their destination and describes Jesus joining them along the way.

718. A World War II archive describes Black pilots and support personnel trained at facilities in Tuskegee, Alabama. Which group do the records describe?

A. Tuskegee Airmen B. Buffalo Soldiers of the 10th Cavalry
C. Red Ball Express drivers D. The 6888th Central Postal Directory Battalion

Correct answer: A. Tuskegee Airmen
The Tuskegee program trained Black military pilots and personnel who supported them in a segregated military.

719. The U.S. Postal Service asked the public to choose an image of Elvis in 1992. Which image won and appeared on the 29-cent stamp issued in 1993?

A. A portrait of Elvis as a young performer B. A portrait of Elvis later in his career
C. A view of the Graceland mansion D. A guitar with no portrait

Correct answer: A. A portrait of Elvis as a young performer
The Postal Service says voters chose the image of a younger Elvis over one showing him later in life. The winning design appeared on the 1993 stamp.

720. Turn 180° from facing east. Which direction are you facing?

A. West B. North
C. South D. East

Correct answer: A. West
A half turn faces the opposite direction.

721. In a simplified model, a parcel of seawater with typical ocean salinity warms while its mass stays the same. Which effect helps explain a contribution to sea-level rise?

A. The warmer parcel occupies more volume.
B. The warmer parcel gains mass from being heated.
C. The warmer parcel occupies less volume.
D. The warmer parcel turns completely into salt.

Correct answer: A. The warmer parcel occupies more volume.
Warming ocean water generally expands. The same mass of water can take up more space without added water.

722. An NFL offense has already thrown one forward pass during a down. Given possession and otherwise legal play, which of these passes may it still throw?

A. A backward pass B. A second forward pass from behind the line
C. A forward pass thrown by a different player
D. A short forward pass caught behind the line

Correct answer: A. A backward pass

An offense may make one forward pass per down. A later backward pass is allowed if the other rules are met.

723. Which river forms a long stretch of the state line between Oregon and Washington?

A. Columbia River B. Snake River
C. Willamette River D. Klamath River

Correct answer: A. Columbia River

The river forms much of the boundary as it heads west toward the Pacific Ocean.

724. The Library of Congress lists the same person for direction, writing, and camera work on 1968’s Night of the Living Dead. Who is it?

A. George A. Romero B. John A. Russo
C. Duane Jones D. Russell Streiner

Correct answer: A. George A. Romero

George A. Romero is credited for directing, co-writing, and camera work.

725. The Vienna Philharmonic’s New Year’s Concert has a long tradition of featuring music by which family of composers?

A. The Strauss family B. The Schumann family
C. The Mendelssohn family D. The Scarlatti family

Correct answer: A. The Strauss family

Music by Johann Strauss and other members of the Strauss family is central to the concert’s tradition.

726. A letter sent in 1840 carries a Penny Black stamp. What was the stamp designed to show?

A. The sender had prepaid a penny of postage.
B. The recipient owed a penny for the paper used in the letter.
C. The local post office had inspected the contents.
D. The letter had been sent to Parliament for registration.

Correct answer: A. The sender had prepaid a penny of postage.

The Penny Black was an adhesive postage stamp. Affixing it to a letter showed a penny of postage had been paid in advance.

727. Who plays bass on ‘Refuge of the Roads,’ the closing track of Joni Mitchell’s 1976 album Hejira?

A. Jaco Pastorius B. Stanley Clarke
C. Ron Carter D. Chuck Rainey

Correct answer: A. Jaco Pastorius
Mitchell’s album notes credit Jaco Pastorius on ‘Refuge of the Roads.’ He also plays on the title track.

728. Which combination typically produces the outdoor rainbow you see after a rain shower?

A. Sunlight and water droplets B. Wind and dry sand
C. Snow and a thermometer D. Cloud shadows and rocks

Correct answer: A. Sunlight and water droplets
As sunlight enters and leaves water droplets, it bends and separates into colors. Reflection inside droplets helps send that light toward the observer.

729. Which observation describes weathering by itself?

A. A rock splits into pieces that stay where it broke.
B. A stream carries loose pebbles downstream.
C. Wind carries sand away from a dry patch.
D. A stream drops sand on its bed as the water slows.

Correct answer: A. A rock splits into pieces that stay where it broke.
Weathering breaks down material in place. Transport moves sediment away, and deposition happens when transported sediment settles.

730. What is the name for the full set of rings that players aim at in curling?

A. The house B. The button
C. The hack D. The hog line

Correct answer: A. The house
The rings form the house. The button is its center circle, while the hack is the foothold used during delivery.

731. Which city belongs on a current map of New Zealand as the national capital?

A. Wellington B. Auckland
C. Christchurch D. Hamilton

Correct answer: A. Wellington
Wellington is New Zealand's capital. Auckland, Christchurch and Hamilton are also in New Zealand.

732. What ingredient is usually rolled into the tiny grains of traditional wheat couscous?

A. Semolina B. Breadcrumbs
C. Cornmeal D. Potato starch

Correct answer: A. Semolina
Semolina is moistened and rolled into small grains. Traditional couscous is then steamed.

733. 'Silent Night' was first performed in 1818 in which present-day country?

A. Austria B. Germany
C. Switzerland D. Poland

Correct answer: A. Austria

The carol was first performed in Oberndorf, Austria, with words by Joseph Mohr and music by Franz Gruber.

734. An 1868 Japanese oath calls for seeking knowledge around the world to strengthen the country. Which policy best reflects that pledge?

A. Study ideas and techniques from abroad B. End official contact with other countries
C. Limit education to inherited customs
D. Give foreign governments control of Japanese schools

Correct answer: A. Study ideas and techniques from abroad

The Charter Oath set out goals for the new Meiji government, including learning from other countries.

735. In The Phantom Menace, the arena for the Boonta Eve Classic Podrace stands outside which Tatooine settlement?

A. Mos Espa B. Mos Eisley
C. Mos Pelgo D. Anchorhead

Correct answer: A. Mos Espa

The Star Wars Databank places the arena for the Boonta Eve Classic on the outskirts of Mos Espa.

736. In October, Earth crosses a stream of particles left by Halley’s comet. Which meteor shower does that October encounter produce?

A. Orionids B. Perseids
C. Geminids D. Lyrids

Correct answer: A. Orionids

The Orionids appear in October when material from Halley’s comet enters Earth’s atmosphere.

737. As recorded by the Texas State Library, which year did House Bill 1016 take effect for Emancipation Day in Texas?

A. 1980 B. 1968
C. 1979 D. 2021

Correct answer: A. 1980

The bill was approved in 1979 and took effect on January 1, 1980. The state library lists both dates.

738. The City of Quito and the Galápagos Islands were among the sites added to UNESCO's World Heritage List in 1978. Which country is home to both?

A. Ecuador B. Peru
C. Colombia D. Chile

Correct answer: A. Ecuador
Quito is on Ecuador's mainland. The Galápagos Islands also belong to Ecuador, off its Pacific coast.

739. In the World Darts Federation's Americas Cup matchboard specification, which numbered segment sits at the top centre?

A. 20 B. 1
C. 18 D. 5

Correct answer: A. 20
The match rules place the black 20 segment at the top centre of the board.

740. A survey already describes the plants and animals living in a marsh. Which addition would describe a nonliving part of the ecosystem?

A. How the water level changes with the seasons B. How many frog species breed there
C. How many kinds of grass grow there D. What the herons in the marsh eat

Correct answer: A. How the water level changes with the seasons
An ecosystem includes the living community and its physical setting. Seasonal water level is part of that setting.

741. Australia scored three late goals for a 3–1 win in its opening match at Germany 2006. Which team was on the other side of that result?

A. Japan B. Croatia
C. Brazil D. Italy

Correct answer: A. Japan
Australia beat Japan for its first men’s World Cup match win. Tim Cahill scored twice, then John Aloisi added Australia’s third goal.

742. Researchers visit Congaree National Park to study old-growth bottomland hardwood trees. Which setting best describes much of that forest?

A. A floodplain connected to a river B. A mountain slope above the tree line
C. Coastal dunes exposed to salt spray D. A high plain far from rivers

Correct answer: A. A floodplain connected to a river
Much of Congaree’s old-growth forest occupies the Congaree River floodplain, where water levels can rise and fall with the river.

743. The original video game The Oregon Trail was created in 1971 to teach schoolchildren in which U.S. state?

A. Minnesota B. Oregon
C. Missouri D. Wyoming

Correct answer: A. Minnesota
Three student teachers created the game for Minnesota schoolchildren learning American history.

744. Earth Day's organizers report that an anniversary campaign brought together participants in 141 countries. What year marked that expansion of Earth Day?

A. 1990 B. 1980
C. 2000 D. 2010

Correct answer: A. 1990
Twenty years after 1970 is 1990. The year marked a major expansion of Earth Day organizing across national borders.

745. What shared position helped bring governments together at the first Non-Aligned summit in Belgrade in 1961?

A. They wanted room to make foreign-policy choices independently of the rival blocs.
B. They planned to merge their governments into one federation.
C. They intended to replace the United Nations with the summit.
D. They had agreed to give one superpower control of their foreign policies.

Correct answer: A. They wanted room to make foreign-policy choices independently of the rival blocs.
Non-alignment allowed governments to pursue policies without formally aligning with one Cold War bloc. Participants could still differ over individual issues.

746. Which Garth Brooks live album originally appeared in November 1998?

A. Double Live B. Triple Live
C. No Fences D. The Chase

Correct answer: A. Double Live
Brooks’s official discography dates the original release of Double Live to November 1998.

747. A recipe serves six using 450 g rice. How much rice serves ten at the same ratio?

A. 750 g B. 600 g
C. 900 g D. 675 g

Correct answer: A. 750 g
Each serving uses 75 g. Ten servings use 750 g.

748. A moving boundary passes a fictional station. Temperature falls from 73 to 56 degrees Fahrenheit, and tracking shows the colder air mass moving into the warmer one. What kind of front passed?

A. Cold front B. Warm front
C. Stationary front D. Occluded front

Correct answer: A. Cold front
The key observation is which air mass is advancing. The colder air is replacing the warmer air, so this is a cold front.

749. In the 1946 game recognized by the NBA as its first, which team hosted the New York Knicks at Maple Leaf Gardens?

A. Toronto Huskies B. Detroit Falcons
C. Chicago Stags D. Boston Celtics

Correct answer: A. Toronto Huskies
The Toronto Huskies hosted the Knicks on November 1, 1946. The clubs played in the Basketball Association of America, a predecessor recognized by the NBA.

750. Which city is the capital of Washington state, even though it is neither Seattle nor Washington, D.C.?

A. Olympia B. Tacoma
C. Spokane D. Vancouver

Correct answer: A. Olympia
Olympia is Washington state’s capital. Washington, D.C., is the national capital.

751. In The Muppet Movie, Kermit meets friends on the road while pursuing a movie career. Where is he headed?

A. Hollywood B. Chicago
C. Nashville D. New Orleans

Correct answer: A. Hollywood
Kermit’s goal is Hollywood. Fozzie, Gonzo, and Miss Piggy join him during the journey.

752. On which day of the first lunar month does Taiwan’s calendar place the traditional Lantern Festival?

A. The 15th day B. The 1st day
C. The 5th day D. The 25th day

Correct answer: A. The 15th day
Taiwan’s published calendar specifies the 15th day of the first lunar month for the Lantern Festival.

753. The Narmer Palette shows the same ruler on both sides. What changes between his two appearances?

A. He wears the White Crown on one side and the Red Crown on the other.
B. He is shown holding a papyrus roll on one side and a stylus on the other.
C. He wears a royal crown on one side and no headgear on the other.
D. He wears the same crown on both sides but faces opposite directions.

Correct answer: A. He wears the White Crown on one side and the Red Crown on the other.
The palette associates Narmer with two crowns traditionally linked to Upper and Lower Egypt. That contrast is visible in the object itself.

754. Who wrote ‘Crazy,’ the song Patsy Cline popularized in the early 1960s?

A. Willie Nelson B. Hank Cochran
C. Harlan Howard D. Roger Miller

Correct answer: A. Willie Nelson
Cline recorded the hit, and Willie Nelson wrote the song during his early years as a Nashville songwriter.

755. What does a flying buttress chiefly do on a Gothic cathedral?

A. Transfers force from a high wall to an outer support
B. Channels rainwater into a cistern
C. Lets bell ropes reach the floor D. Supports temporary boards for painters

Correct answer: A. Transfers force from a high wall to an outer support
An exterior arch carries outward force from the upper wall to a separate support, helping stabilize the tall structure.

756. In a backyard sky log, three stars keep the same pattern but appear to move together relative to a stationary roofline over several hours. What mainly explains the shift?

A. Earth rotates on its axis. B. Earth moves a little closer to the stars in its orbit.
C. All three stars orbit Earth every day.
D. The three stars change their brightness together.

Correct answer: A. Earth rotates on its axis.
The roofline and observer turn with Earth. Earth's rotation changes the direction the stars appear to be in over the course of one night.

757. The original Guitar Hero asks players to perform using a controller shaped like what?

A. A guitar B. A keyboard
C. A saxophone D. A violin

Correct answer: A. A guitar
Colored fret buttons and a strum bar simulate playing guitar parts.

758. Which river flows through Budapest?

A. Danube B. Rhine
C. Seine D. Thames

Correct answer: A. Danube
Budapest straddles the Danube, which connects several Central European capitals.

759. Boron-10 and boron-11 each have five protons. How many neutrons do they have, in that order?

A. Five and six B. Five and five
C. Six and five D. Ten and eleven

Correct answer: A. Five and six
Subtract five protons from each mass number. Boron-10 has five neutrons and boron-11 has six.

760. Who won the first Formula 1 Sprint, held at the 2021 British Grand Prix weekend?

A. Max Verstappen B. Lewis Hamilton
C. Valtteri Bottas D. Charles Leclerc

Correct answer: A. Max Verstappen
Verstappen won the inaugural Sprint at Silverstone. Hamilton and Bottas finished second and third in that event.

761. Surface water moves away from a coast and colder, nutrient-rich water rises to replace it. What process is this?

A. Upwelling B. Evaporation
C. Downwelling D. Sedimentation

Correct answer: A. Upwelling
Upwelling brings water from below toward the surface. This water often supplies nutrients that support marine food webs.

762. Which actor plays Ebenezer Scrooge opposite the Muppets?

A. Michael Caine B. Patrick Stewart
C. Bill Murray D. Jim Carrey

Correct answer: A. Michael Caine
Caine plays Scrooge in the 1992 musical adaptation.

763. In Description of Greece 5.18.1, Pausanias identifies two figures on the Chest of Cypselus as Sleep and Death. Who is shown holding them as children?

A. Night, or Nyx B. Dawn, or Eos
C. Earth, or Gaia D. Memory, or Mnemosyne

Correct answer: A. Night, or Nyx
Pausanias reads the inscriptions as identifying the children as Sleep and Death and the figure holding them as their mother, Night.

764. Harry Truman kept a sign reading ‘The Buck Stops Here.’ Which explanation matches what he said the motto meant for a president?

A. The president is responsible for making the decisions that reach the office.
B. The president’s main duty is to set the value of the dollar.
C. Every presidential decision goes to a cabinet vote.
D. A departing president can transfer earlier decisions to the next administration.

Correct answer: A. The president is responsible for making the decisions that reach the office.
Truman connected the sign to a president’s responsibility for decisions. In his farewell address he explained that a president has to make the decisions that come before the office.

765. Canada’s Alouette I began operating in orbit in 1962. What was it designed to study from above?

A. The ionosphere B. The deep ocean floor
C. The surface of Mars D. The rings of Saturn

Correct answer: A. The ionosphere
Canadian researchers designed the satellite to study the ionosphere, an electrically charged region of Earth’s upper atmosphere.

766. Challenger Deep lies within which ocean trench?

A. Mariana Trench B. Java Trench
C. Puerto Rico Trench D. Peru–Chile Trench

Correct answer: A. Mariana Trench
Challenger Deep is the deepest known part of the ocean.

767. As the left ventricle squeezes, which valve closes to keep blood from flowing backward into the left atrium?

A. Mitral valve B. Aortic valve
C. Tricuspid valve D. Pulmonary valve

Correct answer: A. Mitral valve
The mitral valve sits between the left atrium and ventricle. It closes as ventricular pressure rises, helping direct the blood toward the aorta.

768. Which country won its first men’s Copa América in 2015 after facing Argentina in the final?

A. Chile B. Colombia
C. Peru D. Uruguay

Correct answer: A. Chile
The final finished scoreless through extra time. Chile defeated Argentina in the penalty shootout to claim its first Copa América title.

769. Parks Australia refers to a 1985 event at Uluṟu–Kata Tjuṯa as Handback. What was handed back to Aṉangu Traditional Owners?

A. Title to the land of the national park B. A set of early government survey maps
C. A museum collection of objects from the park
D. A special permit to enter one part of the park

Correct answer: A. Title to the land of the national park
Handback returned the land title to Aṉangu and marked the beginning of joint management of the national park.

770. Warner Bros. identifies Burbank as the location of the original Friends soundstage. Which stage number did the reunion return to?

A. Stage 24 B. Stage 3
C. Stage 8 D. Stage 16

Correct answer: A. Stage 24
The studio announced that the reunion returned the cast to Stage 24, the sitcom’s original soundstage.

771. Under the Bank Holiday (Ireland) Act of 1903, when was the bank holiday to be observed if March 17 fell on a Sunday?

A. The following Monday B. The preceding Saturday
C. The following Friday D. The next Sunday

Correct answer: A. The following Monday
The 1903 law extended the bank holiday to March 17 or to the next day when the date fell on Sunday. The next day in that case was Monday.

772. Where did Japanese representatives sign the formal Instrument of Surrender on September 2, 1945?

A. Aboard the USS Missouri in Tokyo Bay
B. At the United Nations conference in San Francisco
C. In the White House in Washington D. At the Potsdam conference site in Germany

Correct answer: A. Aboard the USS Missouri in Tokyo Bay
The official record places the signing aboard the USS Missouri in Tokyo Bay on September 2.

773. Johnny Ramone’s archive dates a live recording by the Ramones to September 15, 1974. Which New York club hosted that performance?

A. CBGB B. Max’s Kansas City
C. The Bottom Line D. Mercer Arts Center

Correct answer: A. CBGB
The archive identifies CBGB as the venue for that September performance. It also documents several later Ramones appearances there.

774. What sandwich did astronaut John Young unexpectedly bring aboard Gemini III in 1965?

A. Corned beef B. Peanut butter and jelly
C. Tuna salad D. Grilled cheese

Correct answer: A. Corned beef
Young brought a corned beef sandwich aboard. The crew put it away after loose crumbs became a concern inside the spacecraft.

775. A diver sees kelp blades moving in the current, but the base of each kelp stays fixed to a rock. Which part keeps the kelp attached?

A. The holdfast B. The blade
C. The stemlike stipe D. The gas-filled float

Correct answer: A. The holdfast
The holdfast grips the rock. In kelp with gas-filled floats, those floats help lift the blades toward the light.

776. With time remaining in the NBA quarter, a field-goal attempt hits the rim and the shooting team grabs the rebound. What is the usual shot-clock reset?

A. 14 seconds B. 8 seconds
C. 20 seconds D. 24 seconds

Correct answer: A. 14 seconds
When the offense regains possession after its shot hits the rim, the shot clock resets to 14 seconds.

777. A trip starts in Lahore and ends in Pakistan's capital. Which route should the organizer print?

A. Lahore → Islamabad B. Islamabad → Lahore
C. Lahore → Karachi D. Lahore → Peshawar

Correct answer: A. Lahore → Islamabad
Islamabad is Pakistan's capital, so the route must end there after Lahore.

778. Thelma Schoonmaker earned her first Academy Award for editing which film?

A. Raging Bull B. Goodfellas
C. Casino D. The Departed

Correct answer: A. Raging Bull
Schoonmaker won for editing Raging Bull at the 1981 Academy Awards. The film marked the beginning of her long run as Martin Scorsese's regular editor.

779. According to Edward Winslow’s account, how long did the 1621 harvest gathering last?

A. Three days B. One day
C. Five days D. Seven days

Correct answer: A. Three days
Winslow’s account describes three days of gathering and feasting.

780. A silver coin shows the head of Athena on one side and an owl on the other. Which ancient city issued coins with that pairing?

A. Athens B. Corinth
C. Thebes D. Sparta

Correct answer: A. Athens
Athens used its patron goddess Athena and her associated owl on silver coinage.

781. At the start of Shang-Chi and the Legend of the Ten Rings (2021), what name does Shang-Chi use in his everyday life in San Francisco?

A. Shaun B. Daniel
C. Sam D. Nick

Correct answer: A. Shaun
Shang-Chi goes by Shaun while working as a parking valet. His friend Katy knows him by that name.

782. Which word is the opposite of ‘expand’ when describing a change in size?

A. Enlarge B. Contract
C. Extend D. Increase

Correct answer: B. Contract
In this context, expand means become larger and contract means become smaller. Naming the context avoids other meanings of contract.

783. Why is Venus hotter at its surface than Mercury, despite being farther from the Sun?

A. A powerful greenhouse effect B. A faster rotation
C. Heat reflected by a large moon D. More intense solar radiation at its orbit

Correct answer: A. A powerful greenhouse effect
Venus's thick carbon-dioxide atmosphere traps heat extremely effectively.

784. The Hubble Space Telescope's first servicing mission installed corrective optics in 1993. What problem were those optics meant to address?

A. The primary mirror's shape blurred the images.
B. The telescope's radio signal reached Earth too slowly.
C. The telescope's orbit was too close to the Moon.
D. The solar panels generated too much power for the cameras.

Correct answer: A. The primary mirror's shape blurred the images.
A slight error in the primary mirror's curvature blurred early images. The new optics compensated for that error.

785. I might issue orders for a whole kingdom or help you mark exactly ten centimeters. What am I?

A. Ruler B. Crown
C. Compass D. Marker

Correct answer: A. Ruler
A ruler can be the person who governs or a straight tool marked with units.

786. A two-reservoir plant has surplus electricity available at noon. Which action stores energy for use later?

A. Pump water into the upper reservoir B. Let both reservoirs drain downstream
C. Send water through the turbine into the lower reservoir
D. Release the upper reservoir so the water bypasses the turbine

Correct answer: A. Pump water into the upper reservoir
Pumping water upward stores energy. Later the plant can release water downhill through the turbine to generate electricity.

787. Who won all five men’s individual speed skating events at Lake Placid in 1980?

A. Eric Heiden B. Dan Jansen
C. Johann Olav Koss D. Sven Kramer

Correct answer: A. Eric Heiden
Heiden won the men’s 500, 1,000, 1,500, 5,000, and 10,000 meters at Lake Placid. Those five wins earned him five gold medals at one Games.

788. Which agreement signed in December 1898 included Spain’s cession of the Philippine Islands to the United States?

A. The Treaty of Paris B. The Treaty of Manila
C. The Treaty of Tordesillas D. The Treaty of Portsmouth

Correct answer: A. The Treaty of Paris
The December 10 Treaty of Paris ended the Spanish–American War. Article III addressed the Philippine Islands.

789. What is Judy Hopps's profession?

A. Police officer B. News anchor
C. Doctor D. Chef

Correct answer: A. Police officer
Judy becomes Zootopia's first rabbit police officer.

790. Which literary work inspired the costumes in the Mistick Krewe of Comus’s 1857 New Orleans procession?

A. Paradise Lost B. The Canterbury Tales
C. The Faerie Queene D. A Midsummer Night’s Dream

Correct answer: A. Paradise Lost
The Louisiana State Museum identifies John Milton’s Paradise Lost as the source for the 1857 costume theme.

791. A collection traces an Osage dancer's career as a leading ballerina with New York City Ballet. Whose career does it describe?

A. Maria Tallchief B. Martha Graham
C. Katherine Dunham D. Agnes de Mille

Correct answer: A. Maria Tallchief
Tallchief was a member of the Osage Nation and became a leading dancer with New York City Ballet.

792. The April 1955 Asian-African Conference took its common name from the city of Bandung. Which country hosted it?

A. Indonesia B. India
C. Pakistan D. Egypt

Correct answer: A. Indonesia
Bandung is in Indonesia. Representatives from 29 Asian and African governments gathered there to discuss matters including economic cooperation and decolonization.

793. Which spice consists of the dried flower buds of a tree?

A. Cloves B. Cinnamon
C. Ginger D. Cumin

Correct answer: A. Cloves
Cloves are unopened flower buds; cinnamon is bark and ginger is a rhizome.

794. A museum tests two signs for the same exhibit. Which procedure randomly assigns visitors to the signs?

A. Use a random number to choose which sign each visitor sees.
B. Let visitors pick the sign they prefer.
C. Show one sign to everyone before noon and the other after noon.
D. Choose the sign according to the visitor’s age.

Correct answer: A. Use a random number to choose which sign each visitor sees.
Using a random number gives each visitor a chance of seeing either sign. Age, preference and arrival time no longer determine assignment.

795. Which Pittsburgh receiver won the MVP award in Super Bowl X against Dallas in January 1976?

A. Lynn Swann B. John Stallworth
C. Frank Lewis D. Barry Pearson

Correct answer: A. Lynn Swann
Lynn Swann became the game's MVP after helping Pittsburgh beat Dallas in Super Bowl X.

796. The civil flag of one Nordic country places a plain blue cross on white, with the crossing closer to the pole. Which country is it?

A. Finland B. Sweden
C. Denmark D. Iceland

Correct answer: A. Finland
Finland's civil flag has a blue Nordic cross on white. The state flag adds a coat of arms.

797. Who co-created Seinfeld with the comedian who played the title character?

A. Larry David B. Jerry Stiller
C. Jason Alexander D. Michael Richards

Correct answer: A. Larry David
Larry David and Jerry Seinfeld created and wrote the sitcom together. Jerry Seinfeld played a fictionalized version of himself.

798. An April Fools’ Google Maps game asked players to find a familiar traveler in busy illustrated scenes. Who were they looking for?

A. Waldo B. Carmen Sandiego
C. Paddington D. Tintin

Correct answer: A. Waldo
Waldo and several companions appeared in a limited-time search game. The maps opened illustrated scenes people could search.

799. Which group was covered by Lincoln's final Emancipation Proclamation on January 1, 1863?

A. Enslaved people in areas designated as in rebellion
B. All enslaved people in Union slave states
C. All residents of the Confederacy regardless of their legal status
D. Only people enslaved in the nation's capital

Correct answer: A. Enslaved people in areas designated as in rebellion
The proclamation declared enslaved people free in designated areas in rebellion. It excluded loyal slave states and specified areas already under Union control.

800. U2’s 1987 album The Joshua Tree lists which pair under its main production credit?

A. Daniel Lanois and Brian Eno B. Steve Lillywhite and Flood
C. Trevor Horn and Hugh Padgham D. Bob Clearmountain and Tony Visconti

Correct answer: A. Daniel Lanois and Brian Eno
U2’s album credits name Daniel Lanois and Brian Eno as producers. The Recording Academy also lists both as the album’s producers.

801. A 1968 Memphis march placard carried during the sanitation strike declares ‘I AM A MAN.’ What demand does that message express most directly?

A. A request to end public waste collection
B. A promise to accept the existing working conditions
C. Recognition of Black workers' dignity
D. An announcement that negotiations had finished

Correct answer: C. Recognition of Black workers' dignity
The placard asserts the worker's humanity. Marchers used that message in a strike over working conditions and fair treatment.

802. The film catalog for King Creole identifies Elvis Presley as Danny Fisher. Which name belongs on the director's line for this 1958 feature?

A. Richard Thorpe B. Norman Taurog
C. Michael Curtiz D. Don Siegel

Correct answer: C. Michael Curtiz
Michael Curtiz directed King Creole. Presley played Danny Fisher in the film adaptation of a novel by Harold Robbins.

803. Two half-litre bottles together hold how many litres?

A. 2 B. 1/2
C. 1 1/2 D. 1

Correct answer: D. 1
One half plus one half is one whole litre.

804. A fictional record has three consecutive 10-year averages of 12.0, 12.1 and 12.2 degrees Celsius. The next three consecutive 10-year averages are 12.5, 12.6 and 12.7. By how much does the average rise between the two groups of three decades?

A. 0.7 degrees Celsius B. 0.1 degrees Celsius
C. 0.5 degrees Celsius D. 1.5 degrees Celsius

Correct answer: C. 0.5 degrees Celsius
Each decade has the same weight in this simplified example. The early average is 12.1 and the later average is 12.6, a rise of 0.5 degrees Celsius.

805. How long is an NFL field from one end line to the other, including both end zones?

A. 110 yards B. 100 yards
C. 120 yards D. 130 yards

Correct answer: C. 120 yards
The goal lines are 100 yards apart, and each 10-yard end zone adds to the full length.

806. A stream begins and ends within a closed basin of the Great Basin. Where can its water go without reaching the ocean?

A. Into the Gulf through the Mississippi River system
B. Into a coastal estuary reached by the Columbia River
C. Into an inland lake or low spot, where it can evaporate or soak in
D. Into the Atlantic through the St. Lawrence River

Correct answer: C. Into an inland lake or low spot, where it can evaporate or soak in
Closed basins have internal drainage. Water runs into inland depressions and can evaporate or seep into the ground.

807. The sets of The Cabinet of Dr. Caligari use painted, slanted streets and distorted walls. Which visual movement does the design exemplify?

A. French New Wave B. Italian Neorealism
C. German Expressionism D. Soviet montage

Correct answer: C. German Expressionism
The deliberately distorted surroundings are characteristic of German Expressionism.

808. Times Square hosted a New Year’s Eve celebration in 1904. The first ball drop marked the end of 1907. How many years apart are those December 31 events?

A. Four B. Two
C. Three D. Seven

Correct answer: C. Three
The celebrations and the ball drop have different starting dates. The difference between December 31, 1904 and December 31, 1907 is three years.

809. In a fictional summary of an English proposal after the Bill of Rights of 1689, the Crown plans to collect a new tax by royal authority alone. Which question tests whether the proposal fits the provision on raising money?

A. Has the Crown told the local courts where to store the money?
B. Is the tax to be collected in a town with a royal charter?
C. Has Parliament granted authority to collect the tax?
D. Has the proposed tax been discussed at a public meeting?

Correct answer: C. Has Parliament granted authority to collect the tax?
The English Bill of Rights declared that raising money for the Crown by royal prerogative without a grant from Parliament was illegal. Parliamentary authorization is the relevant evidence in this example.

810. On the Brazilian album Clube da Esquina (1972), who shares the main artist credit with Milton Nascimento and also co-wrote ‘O Trem Azul’?

A. Márcio Borges B. Ronaldo Bastos
C. Lô Borges D. Fernando Brant

Correct answer: C. Lô Borges
The album names Nascimento and Lô Borges in its main credit. The song listing credits Lô Borges and Ronaldo Bastos as co-writers of ‘O Trem Azul.’

811. On an everyday weather forecast, 0 °C is the freezing point of pure water at ordinary air pressure. Which reading is below that point?

A. 10 °C B. Positive 2 °C
C. Negative 2 °C D. 32 °C

Correct answer: C. Negative 2 °C
Negative 2 is two degrees below zero on the Celsius scale. Each of the other readings is above zero.

812. A fictional outcrop has sandstone below shale in an undisturbed stack. A sheet of igneous rock called a dike cuts both beds. Erosion truncates the beds and the dike, and limestone lies on the eroded surface. What is the order of the four rock units from oldest to youngest?

A. Dike, sandstone, shale, limestone B. Sandstone, dike, shale, limestone
C. Sandstone, shale, dike, limestone D. Sandstone, shale, limestone, dike

Correct answer: C. Sandstone, shale, dike, limestone
The two original beds formed from bottom to top. The dike cuts both, so it is younger than both. Erosion cut off the dike before limestone accumulated on top.

813. How many innings per side are scheduled in the standard format of a Test cricket match?

A. Three B. One
C. Two D. Four

Correct answer: C. Two
Test cricket provides for two innings per side. A result can be reached before every scheduled innings is played.

814. Which sequence gives the capitals of Finland and Sweden in that order?

A. Helsinki, Copenhagen B. Stockholm, Helsinki
C. Helsinki, Stockholm D. Oslo, Stockholm

Correct answer: C. Helsinki, Stockholm
Helsinki is Finland's capital. Stockholm belongs to Sweden.

815. Which part of the saffron crocus is dried to make saffron threads?

A. Pollen grains B. Petals
C. Stigmas D. Bulbs

Correct answer: C. Stigmas
The red stigmas are the pollen-receiving parts of the flower. The dried strands are sold as saffron.

816. Iceland's Christmas folklore features how many Yule Lads?

A. Nine B. Seven
C. Thirteen D. Twelve

Correct answer: C. Thirteen
The thirteen mischievous visitors arrive one by one before Christmas.

817. A Korean book called Jikji has a printing record dated 1377 that names cast-metal type. Which conclusion can that surviving book support?

A. The first printing press of any kind was invented in 1377.
B. Every Korean book used movable metal type by 1377.
C. Korean printers used movable metal type by 1377.
D. Korean printers learned the method from Gutenberg.

Correct answer: C. Korean printers used movable metal type by 1377.
The printing record documents the use of movable metal type in Korea by 1377. One surviving book cannot establish when all forms of printing began.

818. For the original Star Wars, ILM wanted to combine parts of a shot recorded separately. How did the Dykstraflex camera system help the shots line up?

A. It recorded every element in a single camera pass
B. It projected each finished frame behind the actors
C. It could repeat a camera move across several takes
D. It cut between different angles as the scene was filmed

Correct answer: C. It could repeat a camera move across several takes
Dykstraflex could reproduce the same camera movement on separate takes, giving the effects team matching footage to combine.

819. Munich’s account of the first Oktoberfest dates it to October 1810. What celebration brought people together originally?

A. A citywide victory in a football cup B. The opening of an Olympic stadium
C. A royal wedding celebration D. The centenary of a railway station

Correct answer: C. A royal wedding celebration
The festivities celebrated the wedding of Crown Prince Ludwig and Princess Therese. They included a public horse race.

820. A display lists June 17 and June 19 in discussing the 2021 Juneteenth law. Which note identifies them correctly?

A. June 17 is the House passage date, and June 19 is the approval date.
B. June 17 is the annual holiday date, and June 19 is the approval date.
C. June 17 is the approval date, and June 19 is the annual holiday date.
D. June 17 is the Senate passage date, and June 19 is the annual holiday date.

Correct answer: C. June 17 is the approval date, and June 19 is the annual holiday date.
The official record gives June 17, 2021, for approval. The text of the law adds June 19 as the holiday.

821. A route card for Air France's first commercial Concorde flight in January 1976 shows Paris, a stop in Dakar, and a missing destination. Which city completes the route?

A. Caracas B. Buenos Aires
C. Rio de Janeiro D. Mexico City

Correct answer: C. Rio de Janeiro
Air France flew its commercial Concorde debut from Paris to Rio de Janeiro on January 21, 1976, with a stop in Dakar.

822. What two ingredients form the base of Aceto Balsamico di Modena IGP, according to its producers' consortium?

A. Cooked or concentrated grape must and cider vinegar
B. Cooked or concentrated apple juice and wine vinegar
C. Cooked or concentrated grape must and wine vinegar
D. Cooked or concentrated fig juice and cider vinegar

Correct answer: C. Cooked or concentrated grape must and wine vinegar
The consortium names grape must, the juice from crushed grapes, and wine vinegar as the base ingredients for this Modena designation.

823. In a simple inheritance model, one parent is Aa and the other is aa. Each parent passes one of its two alleles at random. What percentage of offspring are expected to have genotype aa?

A. 75% B. 25%
C. 50% D. 100%

Correct answer: C. 50%
The aa parent always contributes a. The Aa parent contributes a in half of the equally likely outcomes. Both alleles are a in those outcomes.

824. In the 1950 final round, Brazil had two wins before meeting Uruguay, which had one win and one draw. With two points for a win and one for a draw, what would their point totals have been if the last match had ended level?

A. Brazil 4, Uruguay 5 B. Brazil 5, Uruguay 5
C. Brazil 5, Uruguay 4 D. Brazil 6, Uruguay 4

Correct answer: C. Brazil 5, Uruguay 4
A draw would have added one point to Brazil’s four and Uruguay’s three. Uruguay actually won the match 2–1 and finished ahead.

825. Many logs at Petrified Forest National Park retain fine details of the original wood even though they are now stone. Which process accounts for much of that preservation?

A. Wind polished intact wood until its color matched the surrounding rock.
B. Sea salt coated the bark while leaving the wood underneath unchanged.
C. Silica-rich water deposited mineral material in openings in the wood.
D. Quartz crystals removed the wood and left an empty hollow where it lay.

Correct answer: C. Silica-rich water deposited mineral material in openings in the wood.
Minerals formed in spaces in the wood, a process called permineralization. In some fossils, silica also replaced some of the original material.

826. Which home console reached stores in 1982 with a built-in monitor for vector graphics?

A. ColecoVision B. Atari 5200
C. Vectrex D. Intellivision

Correct answer: C. Vectrex
The Vectrex had an integrated monochrome screen that displayed vector graphics.

827. In a fictional Nature's Notebook record, a volunteer checks a shrub for open flowers on April 20 and records No. On April 21 the volunteer visits the site but does not look at that shrub. What belongs in the April 21 entry for open flowers?

A. Record Yes because the site was visited.
B. Record No because there were no open flowers on April 20.
C. Leave the open-flower observation blank.
D. Record Uncertain because the visit was brief.

Correct answer: C. Leave the open-flower observation blank.
A blank means the feature was never checked that day. No means someone checked and observed no open flowers.

828. A photograph shows U.S. and Soviet crew members shaking hands in orbit in 1975. What can a historian conclude from the Apollo–Soyuz records?

A. The two governments had abandoned competition in every other field.
B. Their space programs merged into a single permanent agency.
C. The two countries cooperated on a crewed space mission.
D. One country took over the operation of the other country's space program.

Correct answer: C. The two countries cooperated on a crewed space mission.
Apollo–Soyuz was a joint mission involving astronauts and cosmonauts. It provides evidence of cooperation on that mission during a period of continued rivalry.

829. A fictional record shop labels a display ‘Victor recordings produced by Ralph Peer in Bristol, Tennessee, in 1927.’ Which pair of acts fits the label?

A. Bob Wills and Ernest Tubb B. Bill Monroe and Roy Acuff
C. The Carter Family and Jimmie Rodgers D. Kitty Wells and Hank Thompson

Correct answer: C. The Carter Family and Jimmie Rodgers
Both the Carter Family and Jimmie Rodgers recorded for Peer at the 1927 Bristol sessions. The Library of Congress selected the sessions for the National Recording Registry.

830. A historical letter was written in 1912 about its author's experience that week. For studying that experience, what kind of source is it?

A. A later textbook B. Secondary
C. Automatically fictional D. Primary

Correct answer: D. Primary
It records a firsthand contemporary account; reliability still needs evaluation.

831. A fictional weather map shows a boundary between cooler air to the north and warmer air to the south. Six hours later the boundary is in the same place, and neither air mass has advanced into the other. Which label fits best?

A. Warm front B. Cold front
C. Stationary front D. Occluded front

Correct answer: C. Stationary front
A stationary front is a boundary that moves little because neither air mass is steadily replacing the other. The two observations fit that pattern.

832. After Kareem Abdul-Jabbar was injured during the 1980 Finals, which rookie guard filled in at center to start Game 6 for the Lakers?

A. Norm Nixon B. Michael Cooper
C. Magic Johnson D. Byron Scott

Correct answer: C. Magic Johnson
Johnson started at center and played several positions in the clinching game. The Lakers won the title in Philadelphia.

833. Which pair correctly labels the capitals of Kentucky and Tennessee, in that order?

A. Frankfort and Memphis B. Louisville and Nashville
C. Frankfort and Nashville D. Lexington and Knoxville

Correct answer: C. Frankfort and Nashville
Kentucky’s capital is Frankfort. Tennessee’s is Nashville. Both names must match the state order.

834. A movie guide lists Jimmy Dugan as the coach and Dottie Hinson as a player in a women’s baseball league. Which film should appear above that description?

A. Field of Dreams B. The Sandlot
C. A League of Their Own D. Moneyball

Correct answer: C. A League of Their Own
A League of Their Own follows players such as Dottie Hinson and their coach, Jimmy Dugan, in a women’s baseball league.

835. Which caption fits Te Papa’s account of regional ways to mark the Māori New Year in Aotearoa New Zealand?

A. Puanga and Matariki are two names for the same star cluster.
B. All iwi watch for the same star and call it Puanga.
C. Some iwi watch for the rising of Puanga as a sign of the new year.
D. Puanga is the November full moon that marks the beginning of summer.

Correct answer: C. Some iwi watch for the rising of Puanga as a sign of the new year.
Te Papa describes iwi, or tribal communities, that look for the star Puanga. Other communities mark the new year using the Matariki star cluster.

836. A limestone fragment from Deir el-Medina lists workers, days, and reasons they missed work. What does this record document most directly?

A. Every worker received the same payment.
B. All Egyptian workers followed the same schedule.
C. Someone kept track of attendance and absences for that crew.
D. The workers themselves chose the crew's overseer.

Correct answer: C. Someone kept track of attendance and absences for that crew.
The inscribed record documents instances of absence and their recorded reasons. It offers local evidence about how a crew was administered.

837. Ella Fitzgerald performed in Berlin in 1960 and again in 1962. Which pairing matches the concerts to their live recordings?

A. Both live albums from the 1960 concert
B. The Lost Berlin Tapes from 1960 and Ella in Berlin from 1962
C. Ella in Berlin from 1960 and The Lost Berlin Tapes from 1962
D. Both live albums from the 1962 concert

Correct answer: C. Ella in Berlin from 1960 and The Lost Berlin Tapes from 1962
The 1960 performance became Ella in Berlin. The Lost Berlin Tapes comes from a different Berlin concert in 1962. Both contain a live version of ‘Mack the Knife.’

838. Which language on the Rosetta Stone helped scholars interpret the two Egyptian scripts?

A. Aramaic B. Latin
C. Ancient Greek D. Old Persian

Correct answer: C. Ancient Greek
The stone records the same decree in Egyptian hieroglyphs, Demotic script, and Ancient Greek. Scholars could already read the Greek text.

839. Block A has a mass of 24 g and a volume of 30 cm^3. Block B has a mass of 15 g and a volume of 12 cm^3. In a model with water density 1 g/cm^3 and no surface-tension effects, which blocks float?

A. Both blocks float. B. Only block B floats.
C. Only block A floats. D. Both blocks sink.

Correct answer: C. Only block A floats.
Divide each mass by its volume. A has density 0.80 g/cm^3, which is below water's density, so it floats. B has density 1.25 g/cm^3, so it sinks.

840. The first iPhone was introduced in which year?

A. 2004 B. 2001
C. 2007 D. 2009

Correct answer: C. 2007
Apple announced the first iPhone in January 2007.

841. Which canal connects the Mediterranean Sea with the Red Sea?

A. Corinth Canal B. Panama Canal
C. Kiel Canal D. Suez Canal

Correct answer: D. Suez Canal

The Suez Canal crosses Egypt, shortening the sea route between Europe and Asia.

842. Measured covalent radii are 64 pm for fluorine, 99 pm for chlorine and 114 pm for bromine. Which pattern do they illustrate?

A. All three atoms have the same radius B. Radius decreases down this group
C. Radius increases down this group D. Radius is largest for the middle element

Correct answer: C. Radius increases down this group

The three halogens sit in that order from top to bottom. The radii increase as the outer electrons occupy successively larger shells.

843. A caption says Lewis Hamilton and Fernando Alonso shared second in the 2007 standings. Which revision matches the official positions and point totals?

A. Hamilton scored 110 points and Alonso scored 109. Hamilton placed second.
B. Both scored 109 points. Alonso placed second and Hamilton placed third.
C. Both scored 109 points. Hamilton placed second and Alonso placed third.
D. Hamilton scored 109 points and Alonso scored 108. Hamilton placed second.

Correct answer: C. Both scored 109 points. Hamilton placed second and Alonso placed third.

The McLaren teammates each finished on 109 points, one behind champion Kimi Räikkönen. The official table ranks Hamilton second and Alonso third.

844. A map shows the relatively shallow submerged edge of a continent before the seafloor drops down a steeper slope. What is that shallow area?

A. Mid-ocean ridge B. Continental slope
C. Continental shelf D. Abyssal plain

Correct answer: C. Continental shelf

The continental shelf extends seaward from land to the steeper continental slope.

845. In the 1947 original, Kris Kringle works at which department store?

A. Bloomingdale's B. Gimbels
C. Macy's D. Saks Fifth Avenue

Correct answer: C. Macy's

Macy's employs Kris; rival Gimbels also figures in the story.

846. A fictional study note splits Persephone’s year into equal halves. Which revision matches the arrangement described in the Homeric Hymn to Demeter?

A. One half below, and one half with her mother and the other immortals.
B. Two thirds below, and one third with her mother and the other immortals.
C. One third below, and two thirds with her mother and the other immortals.
D. The entire year with her mother and the other immortals.

Correct answer: C. One third below, and two thirds with her mother and the other immortals.
The hymn allocates one third of the year to the realm below. It gives Persephone the other two thirds in the company of Demeter and the other immortals.

847. Roosevelt’s first inaugural program is dated March 4, 1933. His second is dated January 20, 1937. Which constitutional change explains the date on the later program?

A. The Twelfth Amendment assigned the inauguration date to the president-elect.
B. The Twenty-Second Amendment changed the calendar for second terms only.
C. The Twentieth Amendment changed the regular start of presidential terms to January 20.
D. The Twenty-Fifth Amendment moved every president’s oath to the first month in office.

Correct answer: C. The Twentieth Amendment changed the regular start of presidential terms to January 20.
The Twentieth Amendment changed when presidential terms begin. Roosevelt’s 1937 inauguration was the first regular presidential inauguration held on January 20 under that amendment.

848. A 1966 dress by Scott Paper came by mail with coupons for disposable tableware. What was the dress originally meant to do?

A. Demonstrate a new kind of washing machine
B. Introduce a permanent school uniform
C. Promote the company’s new tableware range
D. Identify employees at a department store

Correct answer: C. Promote the company’s new tableware range
The dress was designed as a short-term promotion. Customer demand helped turn paper dresses into a fashion trend.

849. Which living bird species has the greatest wingspan?

A. Bald eagle B. Andean condor
C. Wandering albatross D. Emperor penguin

Correct answer: C. Wandering albatross
The wandering albatross's long wings are adapted for efficient ocean soaring.

850. Which two organs, in order, produce bile and store it between meals?

A. Pancreas and stomach B. Gallbladder and liver
C. Liver and gallbladder D. Small intestine and pancreas

Correct answer: C. Liver and gallbladder
The liver makes bile. The gallbladder stores and concentrates it before releasing it into the small intestine.

851. In each of two fictional plays, an attacker is in an offside position when a teammate plays the ball. In Play A, the attacker receives it directly from a goal kick. In Play B, the attacker plays an ordinary pass from the teammate in open play. In which play does touching the ball result in an offside offense?

A. Both plays B. Play A only
C. Play B only D. Neither play

Correct answer: C. Play B only
Receiving the ball directly from a goal kick is an exception to the offside rule. In Play B, the attacker becomes involved by playing a teammate’s pass from an offside position.

852. A guide to the UK Parliament needs separate labels for its famous clock tower and the main bell inside it. Which pair matches the names in Parliament's records?

A. Victoria Tower and Big Ben B. Big Ben and Elizabeth Tower
C. Elizabeth Tower and Big Ben D. Elizabeth Tower and Victoria Tower

Correct answer: C. Elizabeth Tower and Big Ben
Parliament calls the structure Elizabeth Tower. Big Ben is the name of its main bell, and people often use that name for the tower as well.

853. The Television Academy’s 2002 comedy series nominees included Friends, Curb Your Enthusiasm, Everybody Loves Raymond, and Will & Grace. Which of those shows won that category that year?

A. Everybody Loves Raymond B. Curb Your Enthusiasm
C. Friends D. Will & Grace

Correct answer: C. Friends
Friends won Outstanding Comedy Series in 2002. The other three listed choices were also nominees.

854. A curator finds George Washington’s March 16, 1780, order for the next day at his winter camp. Which change in camp routine can the order itself support?

A. Washington declared St. Patrick’s Day a federal holiday for the whole country.
B. Washington scheduled the usual work parties for an extra shift.
C. Washington directed routine work parties to stop for St. Patrick’s Day.
D. Washington changed the observance to the following week.

Correct answer: C. Washington directed routine work parties to stop for St. Patrick’s Day.
The order directed that routine work parties stop for March 17. It documents an observance at Washington’s winter camp in Morristown, New Jersey.

855. Roosevelt and Churchill met in Newfoundland in 1941 and issued a statement of shared aims. Which document fits those clues?

A. The United Nations Charter B. The Potsdam Declaration
C. The Atlantic Charter D. The Munich Agreement

Correct answer: C. The Atlantic Charter
The Atlantic Charter followed the Newfoundland meeting and set out shared U.S. and British aims in August 1941.

856. A fictional exhibit label credits Link Wray with singing the verses on his 1958 record ‘Rumble.’ Which correction matches the Library of Congress record?

A. It is a spoken introduction followed by an unaccompanied chorus.
B. It is a vocal recording with a different singer on each verse.
C. It is an instrumental built around Wray’s electric guitar.
D. It is a guitar solo with Wray singing between the instrumental sections.

Correct answer: C. It is an instrumental built around Wray’s electric guitar.
The archive identifies ‘Rumble’ as a 1958 instrumental. Wray’s electric guitar carries the performance.

857. What did mail workers give Owney, the Railway Mail Service dog, to mark the places he visited?

A. Wooden train whistles B. Postage stamps
C. Metal tags D. Miniature mail sacks

Correct answer: C. Metal tags
Owney traveled with railway mail workers, who clipped tags and medals to his collar or harness. The National Postal Museum holds many of the tags.

858. A fictional field notebook tracks two neighboring dune patches after a windy week. A patch with sea oats gained 4 cm of sand. A bare patch gained 1 cm. Which interpretation fits both the figures and what sea oats do?

A. The grassy patch gained 5 cm more, consistent with the plants catching windblown sand.
B. The bare patch gained 3 cm more, consistent with the plants keeping sand out.
C. The grassy patch gained 3 cm more, consistent with the plants catching windblown sand.
D. The two patches gained the same amount because both were exposed to wind.

Correct answer: C. The grassy patch gained 3 cm more, consistent with the plants catching windblown sand.
The difference is $4 - 1 = 3$ cm. Sea oats can catch moving sand, which helps it accumulate around the grass.

859. Who became the NBA's first unanimous regular-season MVP in 2015–16?

A. Kevin Durant B. LeBron James
C. Stephen Curry D. Kawhi Leonard

Correct answer: C. Stephen Curry
The league announced that Curry had received every first-place vote for the 2015–16 MVP award.

860. The country cards read Qatar and Bahrain, in that order. Which pair of cities should be placed beneath them?

A. Doha, Muscat B. Manama, Doha
C. Doha, Manama D. Manama, Kuwait City

Correct answer: C. Doha, Manama
Doha is Qatar's capital. Manama is Bahrain's capital.

861. Which film won Outstanding Picture, the award now called Best Picture, at the first Academy Awards in 1929?

A. The Jazz Singer B. Sunrise: A Song of Two Humans
C. Wings D. The Crowd

Correct answer: C. Wings
Wings won Outstanding Picture. Sunrise won a separate award for Unique and Artistic Picture at that ceremony.

862. Which Wampanoag leader at the 1621 gathering did English sources call Massasoit?

A. Metacom B. Wamsutta
C. Ousamequin D. Tisquantum

Correct answer: C. Ousamequin
Ousamequin, also known as Massasoit, was the Wampanoag leader described in the account of the gathering.

863. Excavators find Athenian pottery fragments with individual names scratched on them. The fragments are identified as ostracism ballots. What were voters using them to decide?

A. Which family should receive a festival prize
B. Which potter should set the market price of clay
C. Which person should be sent into temporary exile
D. Whether a named person should be granted citizenship

Correct answer: C. Which person should be sent into temporary exile
Eligible voters could write a name on a fragment called an ostrakon. The fragments provide material evidence of votes in the practice of ostracism.

864. A program for Thor: Ragnarok (2017) credits one person as both the director and the performer of Korg. Whose name belongs on both lines?

A. Kenneth Branagh B. James Gunn
C. Taika Waititi D. Peyton Reed

Correct answer: C. Taika Waititi
Taika Waititi directed the film and performed Korg, the soft-spoken character made of rock.

865. Two interior angles of a triangle are 60° and 50°. What is the third angle in ordinary plane geometry?

A. 70° B. 80°
C. 90° D. 110°

Correct answer: A. 70°
The interior angles sum to 180°. Subtracting 60° and 50° leaves 70°.

866. Which moon of Saturn has lakes and seas of liquid methane and ethane?

A. Triton B. Europa
C. Titan D. Ganymede

Correct answer: C. Titan
Titan's cold surface supports a cycle of liquid hydrocarbons rather than Earth's water cycle.

867. A fictional exhibit pairs a 1999 account statement in euros with a euro banknote from 2002. Which explanation fits both dates?

A. The euro was used only for physical cash until 2002.
B. Euro cash began circulating in 1999. Banks started keeping accounts in euros in 2002.
C. The euro began as an accounting and electronic currency in 1999. Euro cash followed in 2002.
D. Electronic use and cash circulation both began in 2002.

Correct answer: C. The euro began as an accounting and electronic currency in 1999. Euro cash followed in 2002.
The euro launched in 1999 for accounting and electronic payments. Euro banknotes and coins entered circulation on January 1, 2002.

868. I could cast shade on a sidewalk. I could also hold up a small bowl while your fingers wrap around it. What am I?

A. Grip B. Branch
C. Palm D. Trunk

Correct answer: C. Palm
A palm can be a tree. It is also the inside surface of a hand between the wrist and fingers.

869. A wind unit supplies a steady 7.5 MW for two hours in a classroom model. How much energy does it produce during those hours?

A. 7.5 MWh B. 3.75 MWh
C. 15 MWh D. 9.5 MWh

Correct answer: C. 15 MWh
Electrical energy equals power multiplied by elapsed time. Multiply 7.5 MW by 2 hours to get 15 MWh.

870. Under World Curling scoring rules, four eligible stones remain in a fictional end. The stones' distances from the center are red 18 cm and 40 cm, blue 25 cm and 52 cm. What is the score for the end?

A. Blue scores 1 point. B. Red scores 2 points.
C. Red scores 1 point. D. Each team scores 1 point.

Correct answer: C. Red scores 1 point.
Red has the closest stone at 18 cm. Only that red stone is closer than blue's nearest stone at 25 cm, so red scores one point.

871. An editor labels the Tejeros Convention as the date of the Katipunan's founding. What should the label say happened at Tejeros in March 1897?

A. A Commonwealth president took office for the first time.
B. The 1987 Constitution was put to a public vote.
C. Participants held elections for a revolutionary government.
D. A treaty establishing U.S. recognition was signed.

Correct answer: C. Participants held elections for a revolutionary government.
The Tejeros historical marker describes the election of revolutionary officials in 1897. The Katipunan was founded five years earlier.

872. Which 1995 film was the first entirely computer-animated feature film?

A. Shrek B. A Bug's Life
C. Toy Story D. The Iron Giant

Correct answer: C. Toy Story
Pixar's Toy Story pioneered the fully computer-animated feature.

873. Which caption distinguishes the early Rex parade's boeuf gras, or fatted ox, from the version that returned in 1959?

A. The early parade used a live ox. A live ox also returned in 1959.
B. The early parade used a papier-mâché ox. A live ox returned in 1959.
C. The early parade used a live ox. A papier-mâché ox returned in 1959.
D. The early parade used a papier-mâché ox. The 1959 version was also papier-mâché.

Correct answer: C. The early parade used a live ox. A papier-mâché ox returned in 1959.
Rex's parade notes describe a live ox in its early processions. The organization revived the figure in 1959 as a papier-mâché sculpture.

874. A World War II service file changes a unit's designation from the Women's Army Auxiliary Corps to the Women's Army Corps in 1943. Why did that change matter?

A. The unit ended military service and joined a civilian agency.
B. The unit transferred from the Army to the Navy.
C. Members gained Army military status instead of auxiliary status.
D. The unit moved all its personnel to combat infantry positions.

Correct answer: C. Members gained Army military status instead of auxiliary status.
The 1943 law created the WAC as part of the Army. That gave its members military status, a distinction from the earlier auxiliary.

875. A fictional 1959 caption calls every part of the shipping route from the Atlantic to the upper Great Lakes the St. Lawrence Seaway. Which edit best distinguishes the Seaway from the full system?

A. The Seaway starts at Lake Erie and reaches west to Lake Superior.
B. The Seaway runs from the Atlantic to Montreal and ends before any of the locks.
C. The Seaway reaches from Montreal to mid-Lake Erie within the longer Atlantic-to-Great Lakes route.
D. The Seaway runs from Montreal to the Hudson River and reaches the Atlantic through New York.

Correct answer: C. The Seaway reaches from Montreal to mid-Lake Erie within the longer Atlantic-to-Great Lakes route.
The Seaway portion runs from Montreal to mid-Lake Erie. It forms part of the larger system linking the Atlantic to the upper Great Lakes.

876. Why do you usually see lightning before hearing its thunder?

A. Clouds block all sound at first B. Thunder starts several minutes later
C. Light travels faster than sound D. Lightning pulls sound upward

Correct answer: C. Light travels faster than sound
Both originate from the lightning event, but sound reaches you much later.

877. Judges score photos produced by two camera settings. Which step reduces the chance that expected results influence a judge’s score?

A. Ask each photographer to rate only their own pictures.
B. Show the judges which setting the team expects to win.
C. Label the photos with codes that hide the settings.
D. Give each judge photos from only the setting they favor.

Correct answer: C. Label the photos with codes that hide the settings.
Hidden settings keep judges from applying different expectations to the photos. The scores can still be matched to the settings afterward.

878. Which Rams linebacker stopped Tennessee receiver Kevin Dyson just short of the goal line on the final play of Super Bowl XXXIV in January 2000?

A. Charlie Clemons B. London Fletcher
C. Mike Jones D. Todd Collins

Correct answer: C. Mike Jones
Jones tackled Dyson at the one-yard line, preserving the Rams' 23–16 win as time expired.

879. A Singapore flag draft has the red band above the white band and a white crescent on the red. Which detail belongs beside the crescent?

A. Five yellow stars arranged in a row B. Four white stars arranged in a rhombus
C. Five white stars arranged in a circle D. One white star inside the crescent

Correct answer: C. Five white stars arranged in a circle
Singapore's flag pairs the white crescent with five white stars in a circle. Both appear on the red band.

880. Which 1968 television film starred Peter Falk as Columbo before the regular series began in 1971?

A. Murder by the Book B. Ransom for a Dead Man
C. Prescription: Murder D. Suitable for Framing

Correct answer: C. Prescription: Murder
Falk played the detective in the 1968 television film Prescription: Murder. The regular Columbo series followed in 1971.

881. In his 1686 account of April Fools’ Day, English antiquarian John Aubrey noted that which other country observed the custom?

A. Portugal B. Greece
C. Germany D. Sweden

Correct answer: C. Germany
Aubrey described an April 1 observance in his own setting and explicitly recorded it in Germany.

882. What correction should a museum make to a label saying every Confederate army surrendered at Appomattox?

A. Both governments signed a treaty taking effect nationwide
B. Grant surrendered his army there, and Lee negotiated a peace treaty
C. Lee surrendered his army there, and other forces surrendered separately
D. Only a local garrison surrendered, while Lee's army departed intact

Correct answer: C. Lee surrendered his army there, and other forces surrendered separately
Lee surrendered the Army of Northern Virginia. Other Confederate armies remained in the field and surrendered through separate agreements.

883. A fictional discography puts Whitney Houston’s 1987 album Whitney in the debut slot because its title is her first name. Which correction fits the release history?

A. Whitney and Whitney Houston were two titles for the same 1987 release.
B. Whitney was her debut, and Whitney Houston was her second album.
C. Whitney Houston was her debut, and Whitney was her second album.
D. Whitney was her first live album, and Whitney Houston was her second.

Correct answer: C. Whitney Houston was her debut, and Whitney was her second album.
The artist’s discography identifies Whitney as her second studio album. Whitney Houston was the title of her debut.

884. A ship follows a constant true bearing that crosses several meridians. On a normal Mercator chart, how is this route drawn between those crossings?

A. As a circle centered on the North Pole B. As a curve that bends at each meridian
C. As one straight line
D. As separate straight segments with a different angle at each meridian

Correct answer: C. As one straight line
A course at constant true bearing is called a rhumb line. One purpose of the Mercator projection is to display rhumb lines as straight lines.

885. A fictional aquifer gains 64 million liters of water per year. It loses 17 million liters to streams and 5 million liters to a neighboring aquifer. Assume pumping is the only other flow and all listed flows stay fixed. What yearly pumping volume keeps stored water unchanged in this model?

A. 59 million liters B. 47 million liters
C. 42 million liters D. 86 million liters

Correct answer: C. 42 million liters
For stored water to stay constant, annual inflow and outflow must match. After the two fixed losses, 64 minus 17 minus 5 leaves 42 million liters for pumping.

886. Which team did Jackie Robinson join for his major-league debut in 1947?

A. Boston Red Sox B. New York Yankees
C. Brooklyn Dodgers D. Chicago Cubs

Correct answer: C. Brooklyn Dodgers
Robinson made his debut with the Brooklyn Dodgers on April 15, 1947, breaking the modern major-league color barrier.

887. A program pairs Budapest with Romania and Bucharest with Hungary. Which correction gives both matches?

A. Budapest belongs to Hungary, and Bucharest belongs to Bulgaria.
B. Budapest belongs to Romania, and Bucharest belongs to Hungary.
C. Budapest belongs to Hungary, and Bucharest belongs to Romania.
D. Budapest belongs to Austria, and Bucharest belongs to Romania.

Correct answer: C. Budapest belongs to Hungary, and Bucharest belongs to Romania.
Budapest is Hungary's capital. Bucharest, with a different ending, is Romania's capital.

888. What frequency does the standard tuning reference A above middle C specify?

A. 392 hertz B. 330 hertz
C. 440 hertz D. 480 hertz

Correct answer: C. 440 hertz
A440 names a reference pitch for tuning. The A above middle C is set at 440 vibrations per second.

889. In The Nightmare Before Christmas, Jack Skellington is known by which title?

A. The Goblin Prince B. The Ice King
C. The Pumpkin King D. The Candy Duke

Correct answer: C. The Pumpkin King
Jack leads Halloween Town as the Pumpkin King.

890. A veteran returning from World War II wants help paying for school. Which law was designed to provide that kind of benefit?

A. The Pendleton Act B. The Social Security Act
C. The Servicemen's Readjustment Act D. The Voting Rights Act

Correct answer: C. The Servicemen's Readjustment Act
The 1944 law, commonly called the GI Bill, provided education and training benefits for eligible veterans along with other forms of assistance.

891. The wardrobe team spent three months making one Yule Ball gown from layers of pink silk and chiffon. Which character wore it in Goblet of Fire?

A. Ginny Weasley B. Fleur Delacour
C. Hermione Granger D. Cho Chang

Correct answer: C. Hermione Granger
The Studio Tour identifies the layered pink gown as Hermione’s. Jany Temime designed the costume for the Yule Ball scene.

892. A 1933 drive-in charged 25 cents for the car and 25 cents for each person. At those rates, how much would one car carrying four people pay?

A. $0.75 B. $1.00
C. $1.25 D. $1.50

Correct answer: C. $1.25
The car charge is 25 cents. Four people cost another 100 cents, for a total of 125 cents.

893. Why can removing a keystone predator change an entire ecosystem?

A. It prevents plants from carrying out photosynthesis
B. It stops all decomposition in the ecosystem
C. Its effects on prey can cascade through the food web
D. It removes every source of food for herbivores

Correct answer: C. Its effects on prey can cascade through the food web
A trophic cascade occurs when changes at one feeding level affect others.

894. Which 1986 Pixar short is about two desk lamps?

A. Knick Knack B. Tin Toy
C. Luxo Jr. D. For the Birds

Correct answer: C. Luxo Jr.
Pixar’s 1986 short Luxo Jr. focuses on a large lamp and a smaller one.

895. Two fair six-sided dice are rolled. Which total is most likely?

A. 8 B. 6
C. 7 D. 12

Correct answer: C. 7
Seven has six ordered combinations, more than any other total.

896. In a fictional leaf model, photosynthesis makes 7 units of oxygen during one interval and respiration uses 7 units. No other process changes oxygen. What is the net change?

A. A loss of 7 units, with both processes active.
B. A gain of 7 units, with both processes active.
C. Zero units, with both processes active. D. Zero units, with both processes stopped.

Correct answer: C. Zero units, with both processes active.
The model balances 7 units made against 7 used. A flat net oxygen reading can hide two active processes working in opposite directions.

897. Usain Bolt ran 9.69 seconds at Beijing 2008, 9.58 at the 2009 World Championships, and 9.63 at London 2012. How did his time change from the first race to the second, then from the second to the third?

A. 0.06 seconds faster, then 0.05 slower B. 0.11 seconds faster, then 0.05 faster
C. 0.11 seconds faster, then 0.05 slower D. 0.11 seconds slower, then 0.05 faster

Correct answer: C. 0.11 seconds faster, then 0.05 slower

The time dropped by 9.69 − 9.58 = 0.11 seconds, then rose by 9.63 − 9.58 = 0.05 seconds. A lower time means a faster race.

898. A fictional exhibit label calls the 1593 Doctrina Christiana a Spanish-only book in Latin script. Which revised label matches the Library of Congress description?

A. Tagalog and Cebuano, printed using Baybayin script only
B. Spanish and Tagalog, printed using Latin script only
C. Spanish and Tagalog, printed using Latin and Baybayin scripts
D. Spanish and Malay, printed using Latin and Jawi scripts

Correct answer: C. Spanish and Tagalog, printed using Latin and Baybayin scripts

The book includes Spanish and Tagalog. The Library of Congress identifies both Latin and Baybayin scripts in its copy.

899. In Stranger Things, what is the name commonly used for the dark alternate dimension?

A. The Other Side B. The Bad Place
C. The Upside Down D. The Dark Zone

Correct answer: C. The Upside Down

The Upside Down mirrors parts of Hawkins in a dangerous alternate environment.

900. What are the earliest and latest possible dates for Easter Sunday under the Western Gregorian calculation?

A. March 22 and April 26 B. March 21 and April 25
C. March 22 and April 25 D. March 25 and April 30

Correct answer: C. March 22 and April 25

The Western Gregorian rule can place Easter as early as March 22 or as late as April 25. Both endpoints are possible.

901. Which production note correctly compares digital-camera use on The Phantom Menace and Attack of the Clones?

A. The first used it for some extra shots, and the second used it throughout principal photography
B. Both used it throughout principal photography
C. The first used it throughout principal photography, and the second used it only for extra shots
D. Both used it for extra shots only

Correct answer: A. The first used it for some extra shots, and the second used it throughout principal photography

Digital cameras became available in time for some additional shots on The Phantom Menace. Lucasfilm used a digital system for principal photography on Attack of the Clones.

902. An exhibit compares yellow leaves that reveal existing pigments with red leaves that make some new pigments before dropping. Which pigment group contributes to the new red colors?

A. Anthocyanins B. Chlorophylls
C. Hemoglobins D. Melanins

Correct answer: A. Anthocyanins

The red coloration in many autumn leaves comes from anthocyanins produced late in the life of the leaf.

903. Where does the June 19, 1865 order fit between the two Thirteenth Amendment dates given by the National Archives?

A. After Congress passed the proposal in January and before the states ratified it in December
B. Before both congressional passage and state ratification
C. After both congressional passage and state ratification
D. On the same date that the states ratified the amendment

Correct answer: A. After Congress passed the proposal in January and before the states ratified it in December

Congress passed the proposal on January 31, 1865. The amendment was ratified on December 6. The June order came between those events.

904. A Smithsonian record catalogs Lucy as fossil specimen AL 288-1, discovered in 1974. Which location and species belong on the label?

A. Hadar, Ethiopia, and Australopithecus afarensis
B. Hadar, Ethiopia, and Australopithecus africanus
C. Olduvai Gorge, Tanzania, and Australopithecus afarensis
D. Sterkfontein, South Africa, and Homo habilis

Correct answer: A. Hadar, Ethiopia, and Australopithecus afarensis
The Smithsonian identifies AL 288-1 as a specimen of Australopithecus afarensis from Hadar, Ethiopia. The individual is commonly known as Lucy.

905. In standard chess, White's king starts on e1 and the kingside rook starts on h1. Where do they land after a legal kingside castle?

A. King on g1, rook on f1 B. King on f1, rook on g1
C. King on h1, rook on e1 D. King on g1, rook on h1

Correct answer: A. King on g1, rook on f1
The king moves two squares towards the rook, from e1 to g1. The rook lands on f1, the square the king crossed.

906. Two kinds of shorebirds share a beach. One feeds on small crustaceans near the water. The other takes insects among the dunes. What best explains why their food use may overlap less than their shared location suggests?

A. They feed in different places and use different prey.
B. Both species must eat all food found anywhere on the beach.
C. Sharing a beach gives both species identical feeding niches.
D. The first species must provide all the food for the second.

Correct answer: A. They feed in different places and use different prey.
The beach is shared, but the birds use different feeding areas and prey. Dividing resource use this way can reduce overlap.

907. Japan and Senegal finished level on group points, goal difference, and goals scored in 2018. They also drew their match. Which entry explains how FIFA awarded Group H’s last spot in the knockout stage?

A. Japan advanced because it had the better fair-play score.
B. Japan advanced because it had a better overall goal difference.
C. Senegal advanced because it won the match between them.
D. Senegal advanced because it had the better fair-play score.

Correct answer: A. Japan advanced because it had the better fair-play score.
FIFA used the teams’ disciplinary records to break the tie. Japan had −4 fair-play points and Senegal had −6, so Japan advanced.

908. Great Basin’s ancient bristlecone pines can grow very slowly on exposed sites. Which trait associated with slow growth helps their trunks endure?

A. Dense wood resistant to decay B. Thin wood with large open spaces
C. A trunk that drops off every winter D. Loose bark that provides no protection

Correct answer: A. Dense wood resistant to decay
Slow growth produces dense wood. The density helps the trunks resist decay and other damage.

909. According to The Strong, what kind of venue in Sunnyvale, California, hosted the first Pong prototype for players to try?

A. A tavern B. A bowling alley
C. A university computer lab D. An electronics trade show

Correct answer: A. A tavern
The Strong identifies Andy Capp's Tavern as the venue where the prototype was placed.

910. Fictional cleanup records list every item by material. Route A records 36 plastic items and 12 metal items. Route B records 20 plastic items and 12 paper items. What percentage of items across both routes were plastic?

A. 70% B. 60%
C. 75% D. 80%

Correct answer: A. 70%
The routes total 56 plastic items and 80 items of all materials. Dividing 56 by 80 gives 0.70, or 70%.

911. A museum label swaps the meanings of glasnost and perestroika. Which correction matches their use under Mikhail Gorbachev?

A. Glasnost encouraged greater openness, and perestroika meant restructuring.
B. Glasnost meant restructuring, and perestroika meant greater openness.
C. Glasnost created an economic bloc, and perestroika referred to sports exchanges.
D. Glasnost named a space program, and perestroika concerned cultural exhibitions only.

Correct answer: A. Glasnost encouraged greater openness, and perestroika meant restructuring.
Glasnost referred to openness in public life and discussion. Perestroika referred to restructuring Soviet institutions and economic practices.

912. A film catalog credits George Clooney as both the actor seen singing ‘I Am a Man of Constant Sorrow’ and the vocalist heard in O Brother, Where Art Thou? Who should get the vocal credit for that performance?

A. Dan Tyminski B. Ralph Stanley
C. Ricky Skaggs D. Chris Stapleton

Correct answer: A. Dan Tyminski
Clooney performs the song on screen. Dan Tyminski’s singing supplies the voice heard in that performance.

913. A car drives 50 km at 50 km/h and the next 50 km at 100 km/h without stopping. What is its average speed for the full trip?

A. 66 2/3 km/h B. 75 km/h
C. 60 km/h D. 80 km/h

Correct answer: A. 66 2/3 km/h
The two legs take 1 hour and 1/2 hour. Divide 100 km by 1.5 hours.

914. In fictional region A, pressure changes from 1,004 to 1,012 hectopascals across 60 kilometers. In region B, it changes from 1,000 to 1,012 across 180 kilometers. Where is the average pressure change per kilometer larger?

A. Region A, where it is twice as large B. Region B, where it is twice as large
C. Region B, because its total change is 12 hectopascals
D. Both are equal because the highest pressure is the same

Correct answer: A. Region A, where it is twice as large
Region A changes by 8 hectopascals over 60 kilometers. Region B changes by 12 over 180, which is 4 over 60. Region A has twice the average gradient.

915. Which two franchises began NBA play in 1989–90, one season after the league added Miami and Charlotte?

A. Orlando Magic and Minnesota Timberwolves
B. Toronto Raptors and Vancouver Grizzlies
C. Orlando Magic and Charlotte Hornets D. Minnesota Timberwolves and Miami Heat

Correct answer: A. Orlando Magic and Minnesota Timberwolves
Orlando and Minnesota entered in 1989–90. Miami and Charlotte began the preceding season. Toronto and Vancouver joined in 1995.

916. Three state–capital pairs on an index card are correct. Which pair should be edited?

A. Nevada — Reno B. New Mexico — Santa Fe
C. Idaho — Boise D. Wyoming — Cheyenne

Correct answer: A. Nevada — Reno
Replace Reno with Carson City for Nevada. The pairs for New Mexico, Idaho and Wyoming are correct.

917. In which 1998 movie do identical twin sisters meet at summer camp, then trade places in a plan to reunite their parents?

A. The Parent Trap B. Freaky Friday
C. The Princess Diaries D. Cheaper by the Dozen

Correct answer: A. The Parent Trap
Hallie and Annie first meet at camp in The Parent Trap. Each takes the other’s place as part of their plan.

918. Which caption correctly dates the two events the French presidency discusses in its history of the July 14 national holiday?

A. The Bastille fell in 1789. The Festival of the Federation took place in 1790.
B. The Festival of the Federation took place in 1789. The Bastille fell in 1790.
C. The Bastille fell and the Festival of the Federation took place in 1789.
D. The Bastille fell and the Festival of the Federation took place in 1790.

Correct answer: A. The Bastille fell in 1789. The Festival of the Federation took place in 1790.
The French presidency dates the fall of the Bastille to July 14, 1789. It places the Festival of the Federation on the first anniversary in 1790.

919. A surviving silver coin shows Cleopatra VII on one face and Mark Antony on the other. Which conclusion is supported by that design?

A. The people who issued this coin paired the two leaders in a public image.
B. Cleopatra and Antony always held the same official titles.
C. This coin established the borders of the territories they controlled.
D. Everyone who handled the coin supported both leaders.

Correct answer: A. The people who issued this coin paired the two leaders in a public image.
The two portraits are direct evidence of how the issuers represented the leaders together. The coin alone cannot establish how its users felt.

920. At the 1965 Grammys, who shared credit with Stan Getz for Record of the Year for ‘The Girl from Ipanema’ and Album of the Year for Getz/Gilberto, respectively?

A. Astrud Gilberto for the record and João Gilberto for the album
B. João Gilberto for the record and Astrud Gilberto for the album
C. Astrud Gilberto for both awards D. João Gilberto for both awards

Correct answer: A. Astrud Gilberto for the record and João Gilberto for the album
The Recording Academy credits Stan Getz and Astrud Gilberto for the winning single. It credits Stan Getz and João Gilberto for the winning album.

921. Which composer's Ninth Symphony is commonly called From the New World?

A. Antonín Dvořák B. Johannes Brahms
C. Gustav Mahler D. Jean Sibelius

Correct answer: A. Antonín Dvořák
Dvořák wrote the symphony while living in the United States. Its first performance was at Carnegie Hall in 1893.

922. A fictional brightness record dips on days 1.2, 4.7, and 8.2. Assume these are consecutive transits of one planet with a constant orbital period. On which day should the next dip occur?

A. Day 11.7 B. Day 9.4
C. Day 12.9 D. Day 15.2

Correct answer: A. Day 11.7
Both gaps between consecutive transits are 3.5 days. Adding another 3.5 days to day 8.2 predicts a transit on day 11.7.

923. Which film won the first competitive Academy Award for Animated Feature, awarded in 2002?

A. Shrek B. Monsters, Inc.
C. Spirited Away D. Finding Nemo

Correct answer: A. Shrek
Shrek won for films released in 2001, the category's first eligible year.

924. You cross the International Date Line westward, ignoring local time-zone adjustments. What calendar change is normally made?

A. Add one day B. Subtract one day
C. Add one month D. Keep the same date in every case

Correct answer: A. Add one day
Westward crossing advances the calendar by one day; eastward crossing reverses that change.

925. In a fictional sample, 90% of the atoms have a mass of 20.0 u and 10% have a mass of 22.0 u. What is the sample’s mean atomic mass?

A. 20.2 u B. 20.9 u
C. 21.0 u D. 21.8 u

Correct answer: A. 20.2 u
Multiply each mass by its fraction of the sample and add the products. The result is $0.90 \times 20.0 + 0.10 \times 22.0 = 20.2$ u.

926. Which caption about Juan Manuel Fangio’s five titles matches the team credits in Formula 1’s Hall of Fame?

A. Five titles with four teams, including two with Mercedes.
B. Five titles with four teams, including two with Ferrari.
C. Five titles with four teams, including two with Maserati.
D. Five titles with five teams, with one title for each.

Correct answer: A. Five titles with four teams, including two with Mercedes.
The Hall of Fame credits Fangio’s titles to Alfa Romeo, Ferrari, Maserati, and Mercedes. It credits two of the five to Mercedes.

927. At new moon and full moon, the Sun, Moon, and Earth are nearly aligned. How does that typically affect the local difference between high and low tide?

A. The difference becomes larger B. The difference becomes smaller
C. The high and low tides reach the same height
D. The difference stays exactly the same

Correct answer: A. The difference becomes larger
The solar and lunar tidal effects reinforce each other near these alignments. That produces a larger tidal range called a spring tide.

928. In It's a Wonderful Life, what kind of business does George Bailey run?

A. A building and loan association B. A department store
C. A newspaper D. An insurance brokerage

Correct answer: A. A building and loan association
The Bailey Building and Loan helps local families finance homes, opposing Potter's influence.

929. A retelling sends the ship Argo through the Clashing Rocks before the dove. What order does Apollonius of Rhodes give in Argonautica Book 2?

A. The crew sends the dove through first, then follows after it passes.
B. The crew takes the ship through first, then releases the dove from the far side.
C. The crew and the dove enter together, and both turn back.
D. The dove returns to the ship, and the crew waits for a second ship to pass first.

Correct answer: A. The crew sends the dove through first, then follows after it passes.
The crew watches the dove make it between the rocks before moving the Argo through after it.

930. A 1973 record concerns Gerald Ford’s confirmation as vice president. An August 1974 record shows him taking the presidential oath. Which sequence under the Twenty-Fifth Amendment connects the two?

A. Ford was nominated and confirmed as vice president, then succeeded to the presidency after a vacancy.
B. Ford was elected vice president in a 1973 national election, then won a separate presidential election in 1974.
C. Ford first became president by appointment and later moved to the vice presidency.
D. Both records concern the same appointment to the vice presidency.

Correct answer: A. Ford was nominated and confirmed as vice president, then succeeded to the presidency after a vacancy.
Ford became vice president after a presidential nomination and confirmation in both houses of Congress. He became president in 1974 when Richard Nixon resigned.

931. Australia introduced its decimal 50-cent coin in 1966. Which detail distinguishes the 1969 replacement?

A. It has twelve sides B. It has a square hole
C. It has six sides D. It has a scalloped edge

Correct answer: A. It has twelve sides
The original 1966 coin was round. The Royal Australian Mint records the switch to a twelve-sided coin in 1969.

932. Which mountain is taller than Everest when measured from its underwater base to its summit?

A. Mauna Kea B. Mount Fuji
C. Mount Elbrus D. Denali

Correct answer: A. Mauna Kea
Much of Mauna Kea rises from the ocean floor, so its base-to-summit height exceeds Everest's.

933. You slowly straighten a bent elbow against a resistance band pulling your hand toward your shoulder. Which muscle provides the main straightening force?

A. Triceps brachii B. Biceps brachii
C. Brachialis D. Brachioradialis

Correct answer: A. Triceps brachii
The triceps brachii extends the elbow. The biceps, brachialis and brachioradialis all contribute to bending it.

934. New Zealand drew all three of its group matches at the 2010 men’s World Cup. A fictional comparison team has a win, a draw, and a loss. With three points for a win, one for a draw, and zero for a loss, what are their totals?

A. New Zealand 3, comparison team 4 B. New Zealand 3, comparison team 3
C. New Zealand 4, comparison team 3 D. New Zealand 6, comparison team 4

Correct answer: A. New Zealand 3, comparison team 4
New Zealand earns 1 + 1 + 1 = 3 points. The other record earns 3 + 1 + 0 = 4 points, so a team with one loss can still finish with more points.

935. A Rapa Nui survey describes a quarry with unfinished stone figures and a ceremonial platform supporting 15 moai. Which sites match those descriptions, in order?

A. Rano Raraku and Ahu Tongariki B. Ahu Tongariki and Rano Raraku
C. Rano Raraku and Rano Kau D. Rano Kau and Ahu Tongariki

Correct answer: A. Rano Raraku and Ahu Tongariki
Rano Raraku preserves evidence of moai carving. Ahu Tongariki is a ceremonial platform with 15 standing moai.

936. The 2004 finale, ‘The Last One’, was taped on two January dates. How does the Television Academy describe that episode?

A. The finale was a two-part episode B. The series used the first date for a pilot remake
C. One date was for the later reunion D. The two dates mark two different TV seasons

Correct answer: A. The finale was a two-part episode
The Academy describes the finale as a single two-part episode taped on January 16 and 24, 2004.

937. Traveler Thomas Dinely described shamrock wearing in Ireland in 1681. Which statement is directly supported by his account?

A. Shamrock wearing was part of the holiday for some people by 1681.
B. Patrick himself taught with a shamrock during his lifetime.
C. People across Ireland began wearing shamrock for the first time in 1681.
D. Everyone who observed the day wore shamrock in 1681.

Correct answer: A. Shamrock wearing was part of the holiday for some people by 1681.
Dinely’s description is evidence that some people wore shamrock in his own time. The National Museum treats the story of Patrick teaching with the plant as a later belief.

938. The 1944 Bretton Woods Final Act contains the articles of agreement for which two postwar economic institutions?

A. The International Monetary Fund and the International Bank for Reconstruction and Development
B. The International Monetary Fund and the International Labour Organization
C. The International Bank for Reconstruction and Development and the League of Nations
D. The International Court of Justice and the World Health Organization

Correct answer: A. The International Monetary Fund and the International Bank for Reconstruction and Development
The Final Act includes the founding agreements for the IMF and the International Bank for Reconstruction and Development, the original World Bank institution.

939. A fictional label calls Les Paul’s prototype, the Log, a conventional hollow-body guitar because of its outline. Which construction detail would correct the label?

A. A solid wooden center carried the working parts, and two side pieces gave it a familiar shape.
B. A hollow wooden center carried the working parts, and a detachable metal frame provided the shape.
C. A removable center held the neck, and the side pieces supported the strings and pickups.
D. Two hollow halves alone supported the strings, and a wooden block was used only for display.

Correct answer: A. A solid wooden center carried the working parts, and two side pieces gave it a familiar shape.
Les Paul mounted the working parts on a solid wooden center. He later added two pieces from an archtop guitar to make the outline look familiar.

940. Experiments showed that certain dung beetles can keep a straight course by tracking which pattern in the night sky?

A. The broad band of the Milky Way B. The three stars in Orion's Belt
C. The outline of the Big Dipper D. The lights of passing satellites

Correct answer: A. The broad band of the Milky Way
Researchers found that the beetles could use the Milky Way's broad streak of light as a compass on clear, moonless nights.

941. Two fictional aspen groves have equally spaced trunks. In Grove A, the trunks all grew as new shoots from the roots of one tree. In Grove B, each grew from a separate seed. Which record identifies a single aspen clone, and why?

A. Grove A, because the shoots came from one original plant.
B. Grove B, because each trunk came from its own seed.
C. Both groves, because all aspen trunks look similar.
D. Neither grove, because a clone can only have one visible trunk.

Correct answer: A. Grove A, because the shoots came from one original plant.
Quaking aspen can send up shoots from its roots. Many stems can look like separate trees above ground while sharing a single plant of origin.

942. Who became the first Black player to appear in an NBA regular-season game, in October 1950?

A. Earl Lloyd B. Chuck Cooper
C. Nat Clifton D. Don Barksdale

Correct answer: A. Earl Lloyd
Lloyd played for the Washington Capitols on October 31, 1950. Cooper and Clifton also broke barriers in the league that year.

943. A correspondent submits reports from the capitals of Jordan, Saudi Arabia, and the United Arab Emirates, in that order. Which city labels are right?

A. Amman, Riyadh, Abu Dhabi B. Riyadh, Amman, Abu Dhabi
C. Amman, Abu Dhabi, Riyadh D. Amman, Riyadh, Dubai

Correct answer: A. Amman, Riyadh, Abu Dhabi
Jordan's capital is Amman, Saudi Arabia's is Riyadh, and the United Arab Emirates uses Abu Dhabi as its capital.

944. What does the 70 in the IMAX 15/70 film format measure?

A. The width of the film in millimeters B. The length of a single frame in millimeters
C. The running speed in frames per second D. The screen width in feet

Correct answer: A. The width of the film in millimeters
The projection print is 70 millimeters wide. The 15 refers to the number of perforations per frame.

945. Which president explicitly granted a Thanksgiving turkey a presidential pardon at the 1989 ceremony?

A. George H. W. Bush B. Ronald Reagan
C. Jimmy Carter D. Bill Clinton

Correct answer: A. George H. W. Bush
George H. W. Bush announced the pardon at the 1989 ceremony. The pardon then became an annual tradition.

946. A surviving Athenian tribute quota list names contributing communities and records amounts set aside from their payments. Which claim can the inscription support?

A. Athens kept records of contributions associated with specific communities.
B. Every community contributed exactly the same amount.
C. The people of every contributing community supported the arrangement.
D. Every community in the Greek-speaking world appeared on the list.

Correct answer: A. Athens kept records of contributions associated with specific communities.
The list records shares of tribute associated with named contributors. It documents those recorded entries without revealing everyone's views or covering every community.

947. In The Marvels (2023), Carol Danvers finds her powers linked with those of two other heroes. Which pair completes the trio?

A. Kamala Khan and Monica Rambeau B. Hope van Dyne and Cassie Lang
C. Nebula and Mantis D. Shuri and Riri Williams

Correct answer: A. Kamala Khan and Monica Rambeau
The film brings Carol together with Kamala Khan and Monica Rambeau when their powers become connected.

948. A board game normally costs $80. What is its price after a 25% discount, before tax?

A. $60 B. $55
C. $65 D. $75

Correct answer: A. $60
Twenty-five percent of $80 is $20. Subtracting the discount leaves $60; no tax calculation is included.

949. Which moon is the most volcanically active world in our solar system?

A. Io B. Callisto
C. Titan D. Earth's Moon

Correct answer: A. Io
Jupiter's tidal forces heat Io's interior, powering intense volcanism.

950. A museum wants its label for the 1995 discovery of 51 Pegasi b to state the specific first that astronomers achieved. Which caption is accurate?

A. The first exoplanet confirmed to orbit a Sun-like star
B. The first exoplanet discovered by a dip in its star's brightness
C. The first planet detected in orbit around a pulsar
D. The first exoplanet captured in a direct photograph

Correct answer: A. The first exoplanet confirmed to orbit a Sun-like star
51 Pegasi b was the first confirmed exoplanet around a Sun-like star. Astronomers had already detected planets orbiting a pulsar.

951. Keep P at the start of PLATE and rearrange the other four letters to name a pressed fold in fabric. Which word do you get?

A. PLEAT B. PETAL
C. PALETTE D. PLANT

Correct answer: A. PLEAT
PLEAT uses all five letters in PLATE exactly once. A pleat is a fold made in cloth.

952. A battery stores energy from 3 MWh of incoming electricity and later delivers 2.4 MWh, with no other charging. What fraction of the incoming electrical energy does it return?

A. 80% B. 20%
C. 60% D. 125%

Correct answer: A. 80%
Divide 2.4 MWh out by 3 MWh in. The ratio is 0.8, or 80%.

953. A fictional ice dance table uses the Beijing 2022 two-segment format. Pair A has 79.20 in rhythm dance and 198.90 total. Pair B has 78.10 in rhythm dance and 199.40 total. Who scored more in free dance, and by how much?

A. Pair B by 1.60 points B. Pair A by 1.60 points
C. Pair B by 0.50 points D. Pair A by 0.50 points

Correct answer: A. Pair B by 1.60 points
Subtract each rhythm dance score from its total. A scored 119.70 in free dance and B scored 121.30, so B led that segment by 1.60 points.

954. Which group does the historical marker for Isabelo de los Reyes identify him as organizing in 1902?

A. The Unión Obrera Democrática B. The Katipunan
C. The Malolos Congress D. The 1986 Constitutional Commission

Correct answer: A. The Unión Obrera Democrática
De los Reyes helped organize the Unión Obrera Democrática. Its organization is among the labor and political events on his biographical marker.

955. Which was Walt Disney Animation Studios' first fully animated feature?

A. Snow White and the Seven Dwarfs B. Pinocchio
C. Fantasia D. Dumbo

Correct answer: A. Snow White and the Seven Dwarfs
Snow White premiered in 1937, before the other listed Disney features.

956. A draft exhibit caption calls Iris and Venus two names for a single women’s krewe. Which correction fits the Louisiana State Museum’s account?

A. Aminthe Laudumiey Nungesser founded two distinct krewes, Iris in 1917 and Venus in 1940.
B. Aminthe Laudumiey Nungesser founded two distinct krewes, Venus in 1917 and Iris in 1940.
C. Aminthe Laudumiey Nungesser founded both krewes together in 1940.
D. Aminthe Laudumiey Nungesser founded Iris in 1917 and renamed it Venus in 1940.

Correct answer: A. Aminthe Laudumiey Nungesser founded two distinct krewes, Iris in 1917 and Venus in 1940.
The museum credits Nungesser with both foundings. It lists Iris in 1917 and Venus in 1940 as separate organizations.

957. A historian pairs school records with autobiographical writing by Yankton Dakota author Zitkála-Šá. What can her writing help the historian understand most directly?

A. How she remembered and described her own schooling
B. How many children enrolled in every school in the state
C. What all officials said at meetings she never attended
D. How every student felt about the same school rules

Correct answer: A. How she remembered and described her own schooling
Zitkála-Šá wrote about her childhood and schooling from her own perspective. Her account adds experiences that an enrollment record cannot supply.

958. A fictional display describes LEGO’s 1958 brick as locking together with the top studs alone. What feature completes the design described in the company’s patent history?

A. Tubes underneath the brick help hold the studs of the brick below in place.
B. New studs on both faces line up tip to tip when bricks are stacked.
C. A separate flat connector must slide between every pair of bricks.
D. Bricks grip each other only where slots on their outside walls line up.

Correct answer: A. Tubes underneath the brick help hold the studs of the brick below in place.
The 1958 design combines studs on top with tubes beneath. The snug fit helps stacked bricks hold together.

959. Which part of a beaver's body is chiefly used as a warning signal by slapping water?

A. Tail B. Front paws
C. Incisors D. Whiskers

Correct answer: A. Tail
A tail slap alerts other beavers to danger.

960. A teacher recruits volunteers from one science club, then randomly assigns them to two study methods. Which limitation remains?

A. The volunteers may not represent all students.
B. Students chose which study method they received.
C. The two groups cannot be compared at all.
D. The volunteers must represent every school equally.

Correct answer: A. The volunteers may not represent all students.
Random assignment helps make the groups comparable within the experiment. Recruiting from one club still limits how far the findings can be generalized.

961. Which Dallas linebacker won the Super Bowl V MVP award even though the Cowboys lost to Baltimore in January 1971?

A. Chuck Howley B. Lee Roy Jordan
C. Dave Edwards D. D. D. Lewis

Correct answer: A. Chuck Howley
Howley's performance earned him the award in the Colts' 16–13 win over Dallas.

962. Which written description identifies Bhutan's national flag?

A. A white dragon lies across a diagonal division between yellow and orange.
B. A red dragon stands on horizontal white and green bands.
C. A white dragon rises from a blue band below a green field.
D. A black dragon lies across a vertical division between red and white.

Correct answer: A. A white dragon lies across a diagonal division between yellow and orange.
Bhutan's flag is divided diagonally into yellow and orange. The white dragon extends across the division.

963. Buffy the Vampire Slayer began on The WB. Which network took over the original series in 2001?

A. UPN B. Fox
C. CBS D. The CW

Correct answer: A. UPN
Buffy aired on The WB from 1997 to 2001 and continued on UPN from 2001 to 2003.

964. A 1796 handbill requested April 1 delivery of fool’s coats and caps in Middletown. Which state was that Middletown in?

A. Connecticut B. New York
C. New Jersey D. Rhode Island

Correct answer: A. Connecticut
The Library of Congress example names Middletown, Connecticut. It is evidence the custom was familiar there by the late 1700s.

965. How did the 13th Amendment change the legal reach of emancipation after the Civil War?

A. It banned slavery nationwide, with an exception for punishment after conviction
B. It applied only to places still designated as in rebellion
C. It declared freedom in Texas while leaving the other states unchanged
D. It delegated the decision to each state's legislature

Correct answer: A. It banned slavery nationwide, with an exception for punishment after conviction
The wartime proclamation applied to designated areas. The 13th Amendment prohibited slavery and involuntary servitude throughout U.S. jurisdiction, except as punishment for crime after conviction.

966. A fictional exhibit label says Bruce Springsteen’s home recordings for Nebraska stayed on a private demo tape. Which correction best reflects how the 1982 album was made?

A. The home recordings originally made as demos became the basis of the released album.
B. The album came entirely from a live concert, and the demo tape was made afterward.
C. The demos appeared only on a later live album under another title.
D. The original release used only new full-band studio recordings of the songs.

Correct answer: A. The home recordings originally made as demos became the basis of the released album.

Springsteen recorded the songs at home on a four-track cassette recorder and originally intended them as demos. Those home recordings became the basis of Nebraska.

967. Columbia University holds the mathematical record known as Plimpton 322. What physical form does the original artifact take?

A. A Babylonian clay tablet with cuneiform marks
B. A Greek papyrus roll with inked diagrams
C. A Roman wax board with Latin labels D. A medieval European parchment leaf

Correct answer: A. A Babylonian clay tablet with cuneiform marks

The record is inscribed in cuneiform on a clay tablet. The exact use of its mathematical table remains debated.

968. A fictional park model gives each lighting plan two readings in the same units, first on the path and then beyond its edge. A gives (9, 1), B (13, 3), C (14, 8), and D (12, 5). Which plan keeps the path reading at least 12 while minimizing light beyond the edge?

A. Plan B B. Plan A
C. Plan C D. Plan D

Correct answer: A. Plan B

A misses the path requirement. B, C, and D meet it, and B has the lowest edge reading among those three.

969. Who pitched a perfect game for the New York Yankees in the 1956 World Series?

A. Don Larsen B. Whitey Ford
C. Sandy Koufax D. Allie Reynolds

Correct answer: A. Don Larsen

Larsen retired all 27 Brooklyn Dodgers batters in Game 5 of the 1956 World Series.

970. The itinerary lists Bosnia and Herzegovina, Montenegro, and Serbia. Which sequence visits their capitals in that order?

A. Sarajevo → Podgorica → Belgrade B. Podgorica → Sarajevo → Belgrade
C. Sarajevo → Belgrade → Podgorica D. Belgrade → Podgorica → Sarajevo

Correct answer: A. Sarajevo → Podgorica → Belgrade
Sarajevo belongs to Bosnia and Herzegovina, Podgorica to Montenegro, and Belgrade to Serbia.

971. On a traditional theremin, moving a hand nearer to the upright antenna chiefly changes what?

A. Pitch B. Volume
C. Tempo D. Meter

Correct answer: A. Pitch
The upright antenna controls the note's pitch. A separate, usually loop-shaped antenna controls volume.

972. 'Halloween' is a contraction of which expression?

A. All Hallows' Eve B. Hollow Evening
C. Harvest Moon Evening D. Hall of Winter

Correct answer: A. All Hallows' Eve
Hallows means saints; the name refers to the eve of All Saints' Day.

973. A surveyor tracks miles completed by two companies building the transcontinental railroad. Why did that mileage matter under the Pacific Railway Act?

A. It helped determine federal bonds and land aid for construction
B. It set the amount states could collect in tariffs
C. It triggered the transfer of track ownership to the states
D. It determined how many veterans received homesteads

Correct answer: A. It helped determine federal bonds and land aid for construction
Federal bonds were issued as sections of the line were completed, and the Act specified land grants per mile. Both helped finance the railroad and telegraph line.

974. The art department built a detailed model of Hogwarts Castle. How did the production use that model to create views of the outside of the school?

A. They filmed the model and combined the footage with digital effects.
B. They used the model to sketch shots and filmed every exterior on location.
C. They copied the design onto painted backdrops as the only exterior scenery.
D. They used the model to plan indoor sets and kept it out of exterior shots.

Correct answer: A. They filmed the model and combined the footage with digital effects.
The crew filmed the scale model’s towers and courtyards. They enhanced that footage digitally to create exterior views of the school.

975. Flares of light seem to spread outward from Perseus during a shower. What does the point they appear to spread from tell you?

A. The apparent direction of the meteor tracks as viewed from Earth
B. The exact distance to the comet’s nucleus that night
C. Which star in Perseus made the dust D. How long every meteor will remain visible

Correct answer: A. The apparent direction of the meteor tracks as viewed from Earth
The apparent point is the radiant. It describes the viewing direction of the paths, even though the particles come from comet debris.

976. Which pair belongs to the same biological class?

A. Bat and whale B. Shark and dolphin
C. Penguin and seal D. Octopus and trout

Correct answer: A. Bat and whale
Bats and whales are both mammals, despite very different habitats and movement.

977. An archive entry says the European Space Agency’s Giotto spacecraft encountered a comet in March 1986. Which comet was the target on that flight?

A. Halley B. Hale–Bopp
C. Hyakutake D. Encke

Correct answer: A. Halley
The 1986 Giotto encounter captured close views of Halley’s comet and measurements around its nucleus.

978. A fair coin is flipped four times. How many possible ordered outcomes contain exactly two heads?

A. Six B. Four
C. Eight D. Twelve

Correct answer: A. Six
Choose two of four positions for heads: HH TT, HTHT, HTTH, THHT, THTH and TTHH.

979. In a fictional model with other conditions fixed, photosynthesis rates are 2, 5, 8, and 8 units at light levels 1, 2, 3, and 4. Which conclusion follows from these readings?

A. More light raises the rate at first, and the rate stays the same from level 3 to 4.
B. The rate increases by the same amount at every step in light level.
C. Photosynthesis stops at level 4 because the rate stops increasing.
D. The plateau identifies carbon dioxide as the specific cause of the limit.

Correct answer: A. More light raises the rate at first, and the rate stays the same from level 3 to 4.
The first two steps raise the measured rate. At levels 3 and 4, photosynthesis continues at 8 units. The readings alone do not identify what causes the plateau.

980. In the Rio 2016 women’s rugby sevens knockout rounds, Australia beat Spain 24–0, Canada 17–5, and New Zealand 24–17. Across those three games, how many points did Australia score and allow?

A. 65 scored and 22 allowed B. 65 scored and 17 allowed
C. 41 scored and 5 allowed D. 43 scored and 22 allowed

Correct answer: A. 65 scored and 22 allowed
Australia scored 24 + 17 + 24 = 65 points and allowed 0 + 5 + 17 = 22. The difference between those totals was 43.

981. A fictional timeline claims that the Bangko Sentral ng Pilipinas opened under that name in 1949. Which edit matches the bank’s official chronology?

A. The Central Bank opened in 1949. The Bangko Sentral ng Pilipinas replaced it in 1993.
B. The Bangko Sentral ng Pilipinas opened in 1949. The Central Bank replaced it in 1993.
C. The Central Bank and the Bangko Sentral ng Pilipinas both opened in 1949.
D. The Central Bank and the Bangko Sentral ng Pilipinas both opened in 1993.

Correct answer: A. The Central Bank opened in 1949. The Bangko Sentral ng Pilipinas replaced it in 1993.
The Central Bank of the Philippines formally opened in 1949. A 1993 law established the Bangko Sentral ng Pilipinas as its successor.

982. Which director made Spirited Away?

A. Hayao Miyazaki B. Isao Takahata
C. Satoshi Kon D. Mamoru Hosoda

Correct answer: A. Hayao Miyazaki
Miyazaki wrote and directed Studio Ghibli's 2001 film.

983. If Western Gregorian Easter Sunday falls on April 12, on what date does the Roman Catholic Octave of Easter end?

A. April 19 B. April 18
C. April 20 D. April 26

Correct answer: A. April 19
Easter Sunday counts as the first day of the eight-day octave. The eighth day is the following Sunday, April 19.

984. Under the 1964 Civil Rights Act as enacted, which titles best match a motel denying a room because of race and an employer refusing to hire someone because of race?

A. Title II for the motel and Title VII for the employer
B. Title VII for the motel and Title II for the employer
C. Title II for both cases D. Title VII for both cases

Correct answer: A. Title II for the motel and Title VII for the employer
Title II addresses discrimination in public accommodations, including covered motels. Title VII addresses employment discrimination.

985. A National Archives account describes a letter on airline stationery that Elvis brought to the White House and a photograph taken when he met the president. Which catalog caption matches the record?

A. Elvis Presley meets Richard Nixon, December 21, 1970.
B. Elvis Presley meets Richard Nixon, December 21, 1969.
C. Elvis Presley meets Lyndon Johnson, December 21, 1968.
D. Elvis Presley meets Gerald Ford, December 21, 1974.

Correct answer: A. Elvis Presley meets Richard Nixon, December 21, 1970.
The National Archives dates the meeting and photographs to December 21, 1970, during Richard Nixon's presidency.

986. If a photograph was taken in 1986 and viewed in 2026, how many calendar years separate those year numbers?

A. 40 B. 30
C. 35 D. 45

Correct answer: A. 40
2026 minus 1986 equals 40; exact anniversaries depend on the dates.

987. A fictional local dataset shows that carbon dioxide and average temperature both rose during three periods. Which statement best distinguishes that dataset from a climate attribution study?

A. The two trends can be compared, while attribution also tests physical mechanisms and other influences.
B. The two rising trends prove carbon dioxide caused every local temperature change.
C. Three rising measurements are enough to identify the exact contribution of each influence.
D. The record proves that carbon dioxide has no effect unless temperature rises every year.

Correct answer: A. The two trends can be compared, while attribution also tests physical mechanisms and other influences.
The fictional trends alone cannot isolate a cause. Climate attribution assesses physical mechanisms and multiple lines of evidence, including the effects of greenhouse gases and other influences.

988. Which AFL quarterback recorded the league's first 4,000-yard passing season in 1967?

A. Joe Namath B. Len Dawson
C. John Hadl D. Daryle Lamonica

Correct answer: A. Joe Namath
Namath threw for 4,007 yards with the New York Jets during the 1967 AFL season.

989. A river separates Pennsylvania and New Jersey for much of its course. It becomes tidal near Trenton and eventually enters a bay of the same name. Which river matches all the clues?

A. Delaware River B. Susquehanna River
C. Hudson River D. Potomac River

Correct answer: A. Delaware River
The Delaware runs along Pennsylvania and New Jersey and becomes tidal near Trenton. Its estuary widens into Delaware Bay.

990. Which pair won the 1992 lead acting Oscars for their roles in the same film, The Silence of the Lambs?

A. Anthony Hopkins and Jodie Foster B. Robert De Niro and Geena Davis
C. Warren Beatty and Susan Sarandon D. Robin Williams and Bette Midler

Correct answer: A. Anthony Hopkins and Jodie Foster
The Academy lists Anthony Hopkins as the leading actor winner and Jodie Foster as the leading actress winner for the same film.

991. The Greenwich Time Ball was in use decades before the first Times Square ball drop. Who used the Greenwich signal to set timepieces?

A. Crews aboard ships on the Thames B. Paris railway crews timing the first train
C. Viennese musicians tuning for the new year
D. Spanish grape growers checking harvest times

Correct answer: A. Crews aboard ships on the Thames
The observatory dropped its ball at a known time so that mariners could set their clocks and chronometers from the visible signal.

992. A fictional British woman is 25 and meets all the voting requirements other than the age rule. Which comparison fits the parliamentary voting rules introduced in 1918 and 1928?

A. The 1918 rules exclude her by age, and the 1928 rules allow her to vote.
B. The 1918 rules allow her to vote, and the 1928 rules exclude her by age.
C. Both sets of rules exclude her until she reaches 30.
D. Both sets of rules allow her to vote because she is over 21.

Correct answer: A. The 1918 rules exclude her by age, and the 1928 rules allow her to vote.
The 1918 reform extended the vote to some women aged 30 or older. The Equal Franchise Act of 1928 put women and men on equal voting terms from age 21.

993. Which pairing correctly identifies the performers of ‘Rapper’s Delight’ and the recording that supplied its distinctive bass line?

A. The Sugarhill Gang performed ‘Rapper’s Delight,’ drawing the bass line from Chic’s ‘Good Times.’
B. Chic performed ‘Rapper’s Delight,’ drawing the bass line from the Sugarhill Gang’s ‘Good Times.’
C. The Sugarhill Gang performed ‘Rapper’s Delight,’ drawing the bass line from Chic’s ‘Le Freak.’
D. Chic performed ‘Rapper’s Delight,’ drawing the bass line from Sister Sledge’s ‘We Are Family.’

Correct answer: A. The Sugarhill Gang performed ‘Rapper’s Delight,’ drawing the bass line from Chic’s ‘Good Times.’
The Library of Congress identifies the Sugarhill Gang as the performers and traces the bass line to Chic’s ‘Good Times.’ Both recordings came out in 1979.

994. You want to watch a full Moon come up near the horizon. At a typical midlatitude location, when should you look?

A. Around sunset B. Around sunrise
C. Around local noon D. Around local midnight

Correct answer: A. Around sunset
A full Moon is roughly opposite the Sun in our sky, so it usually rises near sunset. Exact times depend on the date and location.

995. Four fictional stations record the same earthquake. Each timer starts separately. The P and S times in seconds are A (41, 50), B (17, 30), C (54, 61), and D (28, 39). In a model where a longer S-minus-P gap means greater distance, which station is farthest?

A. Station B B. Station A
C. Station C D. Station D

Correct answer: A. Station B
Subtract the P time from the S time at each station. The gaps are 9, 13, 7, and 11 seconds for A through D. B has the longest gap.

996. Under World Athletics rules, how long is a baton takeover zone in the 4 × 100-meter relay?

A. 30 meters B. 10 meters
C. 20 meters D. 40 meters

Correct answer: A. 30 meters
The baton must change hands within a 30-meter zone. The baton itself determines whether the exchange is inside the zone.

997. Which sequence correctly lists the capitals of Argentina, Chile and Peru, in that order?

A. Buenos Aires, Santiago, Lima B. Santiago, Buenos Aires, Lima
C. Buenos Aires, Valparaíso, Lima D. Buenos Aires, Santiago, Cusco

Correct answer: A. Buenos Aires, Santiago, Lima
Buenos Aires belongs to Argentina, Santiago to Chile and Lima to Peru.

998. Nixtamalization uses what kind of solution to process maize for traditional masa?

A. Alkaline B. Acidic
C. Plain neutral water D. Concentrated sugar syrup

Correct answer: A. Alkaline
Traditional nixtamalization treats maize with an alkaline liquid, often made with calcium hydroxide. The processed maize can be ground into masa.

999. A Philippine parol is traditionally made in which shape?

A. A star B. A bell
C. A candle D. A snowflake

Correct answer: A. A star
The star-shaped Christmas lantern is a distinctive Filipino tradition.

1000. A reader compares the Māori and English versions of the Treaty of Waitangi. Why does reading both versions matter when studying the agreement about British authority?

A. One text uses a term for governance where the other uses sovereignty.
B. One text describes the British Crown while the other names France.
C. One text contains an agreement while the other is only a list of signers.
D. One text concerns New Zealand while the other concerns Australia.

Correct answer: A. One text uses a term for governance where the other uses sovereignty.
The archival comparison notes that the Māori text uses kāwanatanga, often translated as governance. The English text uses sovereignty. The phrasing matters to how readers understand the agreement.