Spring Trivia

Choose one answer per question. Circle A, B, C, or D.

1. Which month starts spring in Melbourne under Australia's standard four-season weather calendar?
   - A. September
   - B. March
   - C. June
   - D. December

2. Which underground structure stores food that helps an established daffodil send up a new shoot in spring?
   - A. A taproot
   - B. A corm
   - C. A bulb
   - D. A rhizome

3. Atlantic puffins spend much of the year at sea. What do they return to rocky islands off Maine to do in spring?
   - A. Hibernate through summer
   - B. Nest and raise young
   - C. Molt all their flight feathers at once
   - D. Move inland to spend the summer at freshwater lakes

4. Which celebration marks a new year and the start of spring in Iran and communities across parts of Central and West Asia?
   - A. Matariki
   - B. Diwali
   - C. Hanukkah
   - D. Nowruz

5. In parts of eastern North America, which liquid collected from sugar maple trees in early spring is used to make maple syrup?
   - A. Flower nectar
   - B. Sap
   - C. Resin
   - D. Dew

6. South Africa's Namaqua National Park tracks how its spring wildflower display varies from year to year. Which earlier record is especially relevant to the timing and size of that display?

A. Rainfall during the preceding winter
B. The number of visitors in the preceding summer
C. The date of the highest autumn tide
D. The number of hours of moonlight the preceding November

7. A park notebook tracks the annual dates when trees first leaf out and migratory birds first return. What field studies the timing of events like these?

A. Climatology
B. Geology
C. Cartography
D. Phenology

8. An Australian archive identifies a flower display on Canberra's City Hill in 1988 as part of the first Floriade. What national celebration was the festival part of that year?

A. The proclamation of Australia's national floral emblem
B. The opening of Australia's new Parliament House
C. Australia's bicentenary celebrations
D. The centenary of Canberra

9. Along the Blue Ridge Parkway in the eastern United States, a shallow woodland hollow holds water in early spring when frogs gather there. It dries up later. What kind of wetland fits this description?

A. A vernal pool
B. A tidal salt marsh
C. A year-round lake
D. A reservoir behind a dam

10. A scene from an English village's traditional May Day festivities shows dancers holding ribbons attached to the top of a tall pole. What do the dancers do with the ribbons in this custom?

A. Wrap them around the edge of a flower crown
B. Tie them into wreaths for the doors
C. Lay them flat to mark a dance course
D. Weave them around the maypole by moving around it

11. A U.S. report covers all of March through May. An Australian report covers all of September through November. Both describe local meteorological spring. Which report covers more days in the Gregorian calendar?

A. The U.S. report, by two days
B. The Australian report, by one day
C. The U.S. report, by one day
D. Both reports cover the same number of days

12. A fictional park log uses the same observation method at the same site each year. The first bloom is recorded on May 4 in Year 1, April 29 in Year 2, and April 22 in Year 3. How much earlier is the Year 3 record than Years 1 and 2, respectively?

A. 11 days and 7 days
B. 12 days and 7 days
C. 12 days and 5 days
D. 7 days and 12 days

13. A fictional forest report records seven hours of direct sunlight in one day before the trees leaf out, and three hours in one day after they leaf out. What advantage could a wildflower gain by growing before the leaves appear?

A. The same direct sunlight in both readings, with more water earlier
B. Three extra hours of direct sunlight in the earlier reading
C. Four extra hours of direct sunlight in the later reading
D. Four extra hours of direct sunlight in the earlier reading

14. In a fictional mountain basin with no rain during the observation period, the snowpack shrinks from 105 cm to 67 cm as streamflow rises from 8 to 20 cubic meters per second. Which option gives the rise in streamflow and a likely source of the extra water?

A. 12 cubic meters per second, with melting snow contributing water
B. 12 cubic meters per second, with new rainfall contributing water
C. 28 cubic meters per second, with melting snow contributing water
D. 38 cubic meters per second, with new rainfall contributing water

15. A fictional September equinox occurs on September 22 at 18:40 UTC. Two Southern Hemisphere observatories use fixed offsets of UTC−3 for A and UTC+12 for B. What do their local clocks show for that instant?

A. A shows September 22 at 15:40 and B shows September 22 at 06:40.
B. A shows September 22 at 21:40 and B shows September 23 at 06:40.
C. A shows September 22 at 15:40 and B shows September 23 at 06:40.
D. A shows September 23 at 06:40 and B shows September 22 at 15:40.