

Constellations

Write the letter of the correct answer in the box.

_____ 1. What are galaxies made of?

- a. Millions of stars
- b. Moons and planets
- c. About one hundred stars
- d. Two stars orbiting each other

_____ 2. The most common element in an average star is:

- a. Carbon
- b. Helium
- c. Hydrogen
- d. Nitrogen

_____ 3. The color of a star is an indicator of its:

- a. Composition
- b. Inner temperature
- c. Size
- d. Surface temperature

_____ 4. The brightness of a star as it appears from earth is its:

- a. Absolute magnitude
- b. Apparent magnitude
- c. Luminosity
- d. Parallax

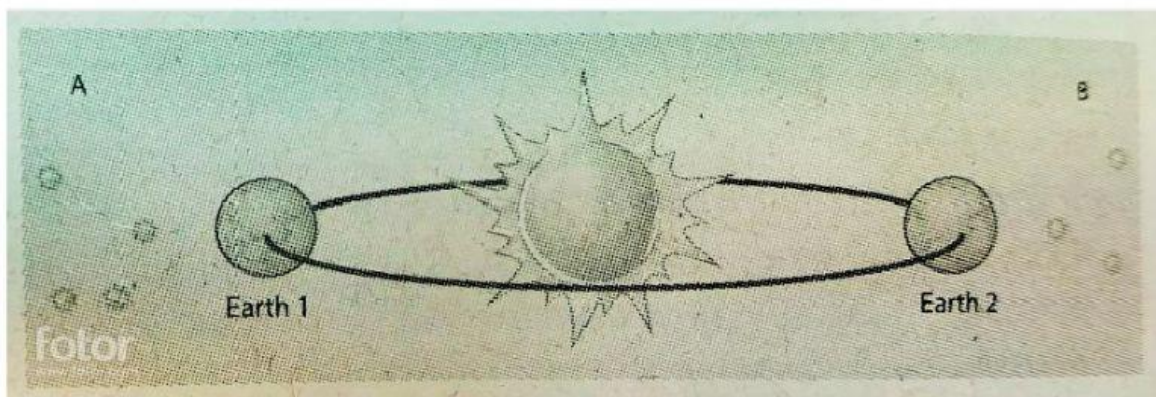
_____ 5. Stars _____ are visible throughout the year

- a. On the horizon
- b. Over the north pole
- c. Inside other galaxies
- d. In the larger constellations

_____ 6. How were constellations originally named and identified?

- a. By their location from earth's horizon
- b. In group of very distant, bright or old stars
- c. Mathematically, with numbers and coordinates
- d. As people or animals they may have resembled

For numbers 7-10, refer to the diagram below. Earth is shown in two positions and two different constellations (A and B)



_____ 7. Which Constellation will people see when Earth is in position 1?

- a. Constellation A
- b. Constellation B
- c. Both A and B
- d. None of the above

_____ 8. The reason for your answer in item 7 is that:

- a. The constellations are not visible on earth
- b. The constellations are always visible on earth
- c. Light from the sun will block the view of the other constellations
- d. Light from the sun enables people on earth to see the constellation

_____ 9. How long will it take before the other constellations can be seen from earth?

- a. One month
- b. Three months
- c. Six months
- d. 12 months

_____10. Constellations seem to move across the sky. This apparent movement is caused by:

- a. Earth's motion to its orbit
- b. Earth's position on the orbit
- c. The changing season on earth
- d. The rotation of earth on its axis

Science 9

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