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

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_____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

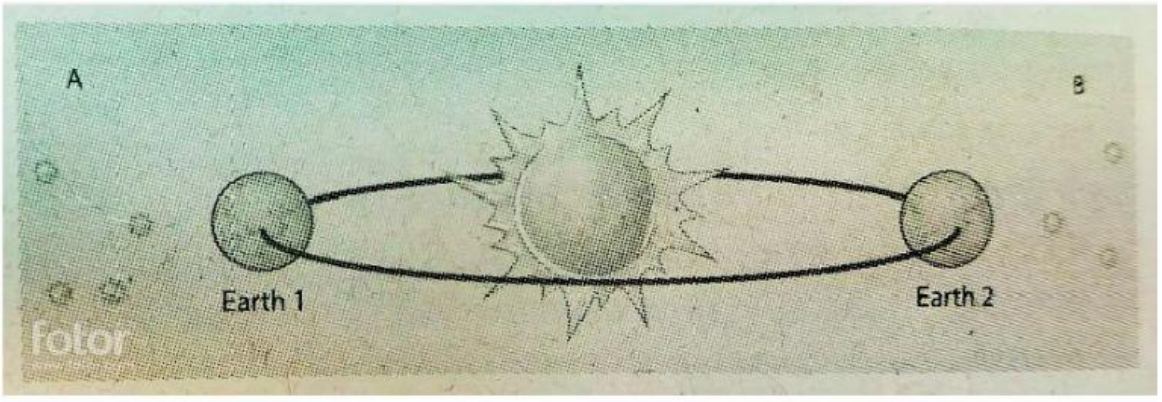
a. On the horizon
b. Over the north pole
c. Inside other galaxies
d. In the larger constellations

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_____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)



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_____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

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_____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

Prepared by: Teacher Shara
DARWIN INTERNATIONAL SCHOOL
Pulong Buhangin, Santa Maria, Bulacan

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