

Directions: Review each question and determine the best choice. Indicate your answer by writing the correct letter before each item.

_____ 1. Why is it impossible to land on Jupiter's surface?

- a. It orbits too near the Sun
- b. It lacks a solid surface and is composed mainly of gas
- c. It does not have an atmosphere
- d. Its rotation is too slow

_____ 2. Why are we able to see the Moon from Earth? It

- a. creates light by burning materials
- b. generates energy through nuclear fusion
- c. reflects sunlight toward Earth
- d. shines using light from Earth

_____ 3. Which planet spins at an extreme tilt, appearing to roll along its orbit?

- a. Mars
- b. Venus
- c. Uranus
- d. Mercury

_____ 4. Saturn's ring system is primarily composed of

- a. frozen ice crystals and water vapor
- b. gases such as nitrogen and helium
- c. ash and debris from volcanoes
- d. pieces of ice mixed with rocky material

_____ 5. Which planet experiences the strongest and fastest winds in the Solar System?

- a. Neptune
- b. Venus
- c. Earth
- d. Saturn

_____ 6. The Sun is made up mostly of which elements?

- a. hydrogen, helium, and sulfate compounds
- b. hydrogen and helium
- c. hydrogen and oxygen
- d. oxygen and helium

_____ 7. What gives Mars its reddish appearance?

- a. Red vegetation covers its surface
- b. It reflects red wavelengths from the Sun
- c. It constantly emits a red glow
- d. Iron in its soil oxidizes (rusts)

_____ 8. The time it takes Earth to complete one orbit around the Sun is known as

- a
- a. day
- b. year
- c. night
- d. month

_____ 9. When a comet travels near the Sun, what occurs?

- a. It gradually vanishes
- b. Its frozen materials vaporize, forming a bright tail
- c. It transforms into a planet
- d. It ignites and becomes a star

_____ 10. Which object lies at the center of our Solar System?

- a. the Sun
- b. Mars
- c. the Moon
- d. Earth

_____ 11. It is the hottest planet in our Solar System.

- a. Neptune
- b. Mars
- c. Venus
- d. Earth

_____ 12. How long does it take the Earth to orbit the Sun once?

- a. 55 days
- b. 365 days
- c. 687 days
- d. 225 days

_____ 13. It is the coldest planet in the Solar System.

- A. Jupiter
- b. Saturn
- c. Uranus
- d. Neptune

_____ 14. It is the biggest planet in the Solar System.

- A. Jupiter
- b. Saturn
- c. Uranus
- d. Neptune

_____ 15. Which planet is farthest from the Sun?

- A. Saturn
- b. Uranus
- c. Neptune
- d. Jupiter