

Name _____

Multiple-Choice Moon Quiz

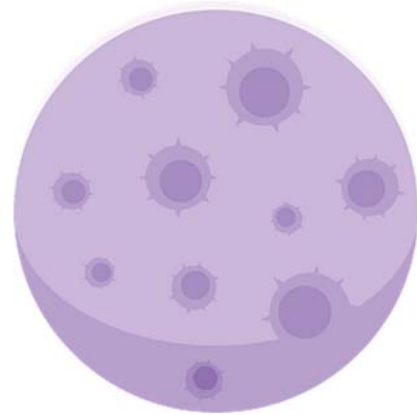
Instructions: Circle the letter of the best answer for each question.

1. Which is the largest moon in the Solar System?
 - A. Titan
 - B. Europa
 - C. Ganymede
 - D. Callisto
2. Which moon has an atmosphere thicker than Mercury's?
 - A. Titan
 - B. Ganymede
 - C. Io
 - D. Triton
3. What is the main composition of Europa's surface?
 - A. Rocky basalt
 - B. Methane ice
 - C. Water ice
 - D. Iron oxide
4. Which planet's moon orbits in the opposite direction of the planet's rotation (retrograde orbit)?
 - A. Mars – Phobos
 - B. Neptune – Triton
 - C. Uranus – Miranda
 - D. Jupiter – Callisto
5. The Moon's "lunar maria" are primarily made of:
 - A. Frozen methane
 - B. Volcanic basalt rock
 - C. Sulfur deposits
 - D. Water ice
6. Which moon is the most volcanically active in the Solar System?
 - A. Io
 - B. Enceladus
 - C. Titan
 - D. Deimos



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7. A moon's orbit stays stable because:
 - A. The moon's gravity is stronger than the planet's
 - B. The planet's gravity pulls inward while the moon's forward motion keeps it in orbit
 - C. The moon's atmosphere pushes it away from the planet
 - D. The Sun's gravity cancels out the planet's gravity
8. Which moon is known for ice geysers that shoot water into space?
 - A. Callisto
 - B. Enceladus
 - C. Titan
 - D. Ganymede
9. What is the main reason scientists believe Europa may have a subsurface ocean?
 - A. It has visible volcanoes on its surface
 - B. Magnetic field interactions suggest liquid water beneath the ice
 - C. It has a thick nitrogen atmosphere
 - D. Its orbit is retrograde
10. Which of the following is the smallest moon listed here?
 - A. Phobos
 - B. Titan
 - C. Europa
 - D. Triton



Bonus Challenge:

Pick one correct answer from above and write 3–4 sentences explaining why it is correct and why the other options are incorrect.
