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## Exercise C4: The Moons of the Planets

Student name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

*Check the box with the correct answer.*

**Question 1:** The inner planets only have 3 moons between them, so why does Jupiter have so many moons?

- a. Jupiter is further from the Sun than the Earth.
- b. Jupiter spins faster than the inner planets and has a faint ring.
- c. The inner planets are too hot to retain many moons.
- d. Jupiter is much more massive and is close to the asteroid belt.

**Question 2:** In order of decreasing diameter, the Galilean satellites are:

- a. Ganymede, Callisto, Io, Europa
- b. Ganymede, Io, Callisto, Europa
- c. Europa, Io, Callisto, Ganymede
- d. Io, Europa, Callisto, Ganymede

**Question 3:** With a diameter of 4 879 km, the planet Mercury is actually smaller than which of the Galilean satellites?

- a. Io
- b. Europa
- c. Callisto
- d. Ganymede

**Question 4:** Why has Titan been able to retain its atmosphere?

- a. Titan is denser than Mercury.
- b. Titan is less dense than Mercury.
- c. Titan is too far from the Sun for solar radiation to evaporate its atmosphere.
- d. Titan is massive enough to strip atmospheric gases from Saturn.

## Exercise C4: The Moons of the Planets

**Question 5:** Phobos and Deimos most closely resemble:

- a. Asteroids
- b. Comets
- c. Planets
- d. Dwarf planets