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## Exercise B1: Geocentric to the Heliocentric Model

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

*Check the box with the correct answer.*

**Question 1:** Why is the heliocentric model simpler than the geocentric model?

- a. There is only one center of revolution for a planet.
- b. The planets all move in the same direction.
- c. It places the Sun at the center of the solar system.
- d. It explains the Sun's apparent motion in the sky.

**Question 2:** How does the heliocentric model explain retrograde motion?

- a. It is a perspective effect as the faster Earth passes Mars in its orbit.
- b. It occurs because Mars comes closer to the Earth during retrograde motion.
- c. Retrograde motion occurs because Mars is further from the Sun than the Earth.
- d. Retrograde motion is caused by gravitational pull when the Earth is close to Mars.