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## Exercise D1: Asteroids of the Main Belt

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

*Check the box with the correct answer.*

**Question 1:** What is the perihelion distance of Vesta?

- a. 2.15 AU
- b. 0.39 AU
- c. 2.53 AU
- d. 2.57 AU

**Question 2:** Why did Vesta not get classified a dwarf planet?

- a. It is not spherical.
- b. It is too close to the Sun.
- c. There is already one dwarf planet in the asteroid belt.
- d. It is not dense enough.

**Question 3:** Which of the following statements describes the location of these main belt asteroids?

- a. They are beyond the orbit of Mars.
- b. They are closer to the Sun than Jupiter.
- c. They are between the orbits of Mars and Jupiter.
- d. All of the above.

**Question 4:** Which of the following statements best describes the general orbital characteristics of the asteroids?

- a. Many asteroids orbit the Sun near the plane of the ecliptic.
- b. Asteroids can have elliptical orbits.
- c. Asteroid orbits can be highly inclined to the plane of the ecliptic.
- d. All of the above.