

Name _____

Jupiter: The Giant of the Solar System

Open-Ended Response Questions

1. Discuss the significance of Jupiter's gravitational influence on protecting the inner planets, such as Earth, from potential asteroid and comet impacts.
2. Describe the differences between Jupiter's rings and Saturn's rings, and explain why Jupiter's rings are less prominent.
3. Explain the importance of studying Jupiter's magnetosphere and its potential impact on future space exploration missions.
4. Discuss the potential implications of discovering subsurface oceans on one of Jupiter's moons, Europa, for our understanding of habitable environments beyond Earth.

