

Name _____

Exploring the Mysteries of the Oort Cloud and Comets

Open-Ended Response Questions

1. Imagine you are an astronomer. How would you go about studying comets to learn more about the early solar system? What instruments or methods would you use?
2. How might the Oort Cloud and the comets within it be affected by the gravitational pull of other stars in the galaxy? What could happen if a nearby star passed through the Oort Cloud?
3. Can you think of any practical applications or benefits that studying comets might have for humanity or space exploration in the future?
4. Why do you think the Oort Cloud and comets are considered mysterious? What aspects of these celestial objects make them challenging to study?

