

Name _____

Celestial Wanderers: How Often Do Comets Grace Our Skies?

Open-Ended Response Questions

1. Imagine you are an astronomer tasked with tracking and predicting the movements of a newly discovered comet. Describe the steps and tools you would use to determine the comet's orbit and forecast its future appearances near Earth.
2. Explore the cultural and historical significance of comets. How have comets influenced human beliefs, art, and science throughout history?
3. Investigate the role of space agencies and observatories in monitoring and studying comets. How do these organizations contribute to our understanding of comets and their visits to the inner solar system?
4. Discuss the potential scientific benefits of studying comets that visit the inner solar system. How can comets provide insights into the formation and evolution of our solar system?

