

Name _____

Unveiling the Cosmic Show: How Astronomers Predict the Appearance of Comets

Open-Ended Response Questions

1. Imagine you are an astronomer discovering a new comet. Describe the process you would follow to confirm your discovery and gather more information about the comet.
2. Discuss the challenges astronomers face when predicting the brightness of a comet and how they might overcome these challenges.
3. Why do you think comets have captured the imagination of people throughout history? How have they been interpreted in different cultures?
4. How might the study of comets help us understand the early conditions and formation of our solar system?
5. Imagine you are planning a comet-watching event for your school. What information would you provide to your classmates to help them prepare for the event and enjoy observing the comet?

