

Name _____

Exploring the Mysteries of Meteors and Meteor Showers

Open-Ended Response Questions

1. Imagine you are an amateur astronomer participating in a meteor-watching event. Describe the process you would follow to record and document meteor sightings.
2. Meteor showers are often associated with particular comets or asteroids. Choose a famous meteor shower and explain its connection to its celestial source. What is the name of the comet or asteroid responsible for this meteor shower, and when is the best time to observe it?
3. Suppose a new meteor shower is discovered, and its radiant point is in a different part of the sky than any known shower. Speculate on what might cause this unique meteor shower and how astronomers could study it further.
4. Discuss the potential contributions of satellite and spacecraft observations to our understanding of meteoroid streams and their relevance to Earth's safety.

