

Name _____

A Fiery Descent: What Happens to a Meteoroid When it Enters Earth's Atmosphere?

Open-Ended Response Questions

1. Discuss the potential consequences of a massive meteoroid impact on Earth's surface, considering factors like size, speed, and composition. How do scientists study and prepare for such events?
2. Imagine you are a meteoroid on a journey to Earth. Describe your experiences and transformations as you enter the Earth's atmosphere, taking into account your size and composition.
3. Reflect on the cultural significance and symbolism of meteors and meteor showers in different societies throughout history. How have these celestial events influenced art, mythology, and human beliefs?
4. Explore the broader implications of studying meteoroids and their interactions with Earth's atmosphere. How can this research contribute to our understanding of space science, planetary protection, and even future space exploration?

