

Name _____

Shooting Stars vs. Meteors: Unraveling the Cosmic Confusion

Open-Ended Response Questions

1. Compare and contrast the processes that create shooting stars (meteors) and stars. How do these two celestial phenomena differ in terms of origin, appearance, and lifespan?
2. Imagine you are a meteoroid on a journey to become a shooting star. Describe your adventure from the moment you break free from your celestial source to the instant you light up the Earth's night sky.
3. Discuss the cultural significance and symbolism associated with shooting stars in various cultures throughout history. How have shooting stars been perceived and incorporated into myths, legends, or beliefs?
4. Consider the potential scientific value of studying meteorites that have landed on Earth. How can meteorites provide clues about the formation and composition of celestial bodies in our solar system and beyond?

