

Name _____

How Do Meteors Differ From Meteoroids, Meteorites, And An Asteroid?

Open-Ended Response Questions

1. Reflect on the significance of distinguishing between meteors, meteoroids, meteorites, and asteroids. How does understanding these terms contribute to our knowledge of the cosmos?
2. Consider the potential impact of a large asteroid colliding with Earth. What measures can be taken to detect and mitigate the threat of such celestial objects?
3. Imagine you are an astronomer studying a recently discovered meteorite. Describe the scientific questions you would hope to answer through your research and the tools and methods you would use.
4. Discuss the role of meteoroids in shaping planetary surfaces, such as the Moon's, and their significance in planetary geology.

