

Name _____

What Causes Meteors to Streak Across the Night Sky?

Short Answer

1. Describe the transformation that a meteoroid undergoes as it enters Earth's atmosphere and becomes a meteor.
2. Explain why meteor showers are associated with specific comet debris trails and occur at specific times of the year.
3. How does the speed of a meteoroid affect the brightness of the meteor it produces?
4. Name one famous meteor shower and the comet or debris trail associated with it.
5. What is the role of comets in creating meteor showers, and how do comets shed material as they approach the Sun?

