

Name \_\_\_\_\_

## Why Do Meteors Burn Up? Answer Key

1. **Because it collides with gas particles in the atmosphere, causing friction that generates heat.**
2. **The heat from the friction causes the meteoroid to glow and vaporize, creating a bright streak of light.**
3. **Because most meteoroids are small and burn up completely due to the heat before reaching the surface.**
4. **It suggests the object was large or dense enough to survive the heat and pressure during entry.**
5. **A scientist might study the material in a meteorite to understand what early solar system objects are made of.**