

Name \_\_\_\_\_

## Shooting Stars vs. Meteors: Unraveling the Cosmic Confusion

### Multiple Choice Questions

1. What causes a streak of light in the night sky that is often called a "shooting star"?

- a) The ignition of a distant star
- b) The combustion of a meteoroid in Earth's atmosphere
- c) The reflection of moonlight on clouds
- d) The launch of a space shuttle

2. What are meteoroids?

- a) Fragments of meteorites
- b) Objects that fall from the Moon
- c) Precursors to meteors
- d) Meteorites that have landed on Earth

3. Why do most meteoroids completely burn up in Earth's atmosphere?

- a) They are made of heat-resistant materials.
- b) They are protected by a force field.
- c) They reach extremely high altitudes.
- d) They are relatively small in size.

4. What is the term for surviving fragments of meteoroids that land on Earth's surface?

- a) Meteoroids
- b) Comets
- c) Asteroids
- d) Meteorites

5. Why is the term "shooting star" considered a misnomer?

- a) Shooting stars are actually stars that move rapidly.
- b) Shooting stars are meteorites that land on Earth.
- c) Shooting stars are meteoroids that burn up in Earth's atmosphere.
- d) Shooting stars are fragments of the Moon.

