

Name _____

Cosmic Consequences Board Answer Key

Cause

Effect

A meteoroid enters Earth's atmosphere at high speed.

1. The friction with the air causes it to heat up.

2. A meteoroid enters Earth's atmosphere at high speed and begins to burn due to friction with air molecules.

A glowing trail of light appears in the night sky.

A large comet passes close to the Sun.

3. Its icy materials begin to vaporize due to the Sun's heat.

The heat from the Sun vaporizes the icy surface of a comet.

4. A coma and tail form and point away from the Sun.

A small rocky object survives atmospheric entry.

5. It lands on Earth's surface as a meteorite.