

## Cosmic Consequences Board Answer Key

### Cause

A meteoroid enters Earth's atmosphere at high speed.

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

A large comet passes close to the Sun.

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

A small rocky object survives atmospheric entry.

### Effect

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

A glowing trail of light appears in the night sky.

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

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

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