

Solar Activity Cause-and-Effect Answer Key

Fill in the Charts

- **Chart 1 Effect:** Satellites may be damaged or experience malfunctions due to increased radiation.
- **Chart 2 Effect:** Radio signals, GPS, and communication networks can be disrupted.
- **Chart 3 Effect:** Power grids may overload, leading to blackouts in some regions.
- **Chart 4 Effect:** Slight changes in Earth's climate and weather patterns over time.

Reflection Question

Answers will vary. Example: *Monitoring solar activity is important because it helps protect satellites, astronauts, and power systems on Earth. If scientists can predict solar storms, they can warn governments, airlines, and power companies to prepare. This reduces the risk of major disruptions and helps keep people safe.*