

Name _____

The Solar Wind: A Cosmic Breeze and Its Impact on Space Weather

Short Answer

1. Explain how the solar wind creates auroras in Earth's polar regions.
2. What is the magnetosphere, and how does it protect Earth from the solar wind?
3. Describe the potential consequences of geomagnetic storms on Earth's technology and communication systems.
4. How does the solar wind's variability relate to the Sun's 11-year cycle of magnetic activity?
5. How do scientists study and monitor the solar wind, and why is it important for space weather prediction?

