

Name \_\_\_\_\_

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

### Open-Ended Response Questions

1. Imagine you are a scientist studying the solar wind on board a spacecraft like the Parker Solar Probe. Explain the type of data you would collect and how it contributes to our understanding of space weather.
2. Discuss the cultural significance of auroras in various societies around the world and how they have been perceived throughout history.
3. Explore the challenges that astronauts face during a geomagnetic storm in space and propose possible strategies to ensure their safety.
4. How might advancements in space technology and research help us better prepare for the solar wind's impact on space weather in the future?

