

Name _____

The Sun's Magnetic Magic: How it Influences Earth

Open-Ended Response Questions

1. Imagine you are an astronaut on a mission to the International Space Station (ISS) during a strong magnetic storm. Describe the potential challenges you might face and the precautions you would need to take to ensure your safety.
2. Discuss the importance of the auroras in understanding the Sun's magnetic activity and their cultural significance in polar regions.
3. Explore the potential long-term effects of prolonged magnetic storms on Earth's power grids and communication systems, and propose possible solutions to mitigate these impacts.
4. How might advancements in space technology and research help us better predict and prepare for the Sun's magnetic influence on Earth in the future?

