

Name _____

The Sun's Sparkling Role: How It Powers the Water Cycle

Open-Ended Response Questions

1. Investigate how the Sun's energy affects ocean currents and their impact on regional climates. Provide examples of regions influenced by ocean currents.
2. Imagine a world without the Sun's energy. Describe the potential consequences for the water cycle, climate, and life on Earth.
3. Reflect on the challenges and benefits of harnessing solar energy for human use. How can solar power contribute to a sustainable future, considering the Sun's critical role in natural processes?
4. Think about the ongoing research on the Sun's variability and its potential effects on climate change. Discuss the implications of better understanding the Sun's behavior for climate science and policy.

