

Name _____

Exploring the Mysterious World of Mercury

Open-Ended Response Questions

1. Imagine you are an astronaut visiting Mercury. Describe the challenges you would face due to the planet's extreme temperatures and low gravity. How would you adapt to these conditions?
2. Research and discuss the theories about the formation of Mercury's Caloris Basin, one of its most prominent surface features.
3. Compare and contrast Mercury with Earth's moon in terms of size, composition, and surface features. What similarities and differences do they share?
4. Consider the potential for future exploration of Mercury. What could scientists learn from additional missions to this planet, and what challenges would astronauts face when visiting Mercury for extended periods?

