

Name _____

Speedy Plates: How Fast Do Tectonic Plates Move?

Open-Ended Response Questions

1. Imagine you are a geologist studying the movement of tectonic plates. How would you measure the speed of a specific plate, and what tools or methods would you use?
2. Discuss the impact of plate movement on the Earth's surface features and why it's crucial to comprehend the speed of plate motion in geological studies.
3. What are some potential consequences of rapid plate movement, such as that observed in the Pacific Plate? How do these consequences affect the regions near plate boundaries?
4. Compare and contrast the movement of tectonic plates at divergent and convergent boundaries, considering both speed and geological effects.

