Name _____

Shaking It Up: Different Types of Seismic Waves from Earthquakes

Short Answer

1. Describe the motion of Primary waves (P-waves) during an earthquake and their ability to travel through different materials.

2. Explain why Secondary waves (S-waves) cannot travel through liquids or gases and their role in earthquake studies.

3. What are Love waves and Rayleigh waves, and how do they contribute to the ground shaking during an earthquake?

4. Why are seismic waves important for scientists to study, and how do they help us understand the Earth's subsurface?

5. Imagine you live in an area prone to earthquakes. Describe the safety measures you would take to protect yourself during an earthquake.