

Name \_\_\_\_\_

## Shaking It Up: Different Types of Seismic Waves from Earthquakes

### Open-Ended Response Questions

1. Research and discuss a famous earthquake event in history, including details about the types of seismic waves it produced and its impact on the affected area.
2. Explain how seismic waves are used to study the Earth's interior and provide insights into its composition and structure.
3. Discuss the significance of understanding seismic waves for earthquake preparedness and building construction in earthquake-prone regions.
4. Reflect on the role of seismic waves in earthquake early warning systems. How can the knowledge of wave types and arrival times help save lives during earthquakes?

