

Name \_\_\_\_\_

## Shaking Grounds: The Causes of Earthquakes

### Open-Ended Response Questions

1. Imagine you are a scientist studying earthquakes. Explain why it's important to monitor and study plate boundaries to predict potential earthquake hazards.
2. Describe a real-life scenario where a transform boundary earthquake caused significant damage. What lessons can be learned from such events to improve earthquake preparedness?
3. How do engineers and architects design buildings in earthquake-prone areas to withstand the shaking? Provide at least two strategies they might use.
4. Discuss the role of early warning systems in earthquake safety. How do these systems work, and how can they help protect lives and property during earthquakes?

