

Name \_\_\_\_\_

## Hot Spots and Tectonic Plates: Where Earthquakes Commonly Occur

### Short Answer

1. Explain the concept of a "hot spot" and how it leads to volcanic activity and earthquakes.
2. Describe the Pacific Ring of Fire and explain why it is known for its high level of geological activity.
3. What are intraplate earthquakes, and why do they occur within the middle of tectonic plates?
4. How do tectonic plate boundaries contribute to the occurrence of earthquakes, and what are the three main types of plate boundaries where earthquakes commonly happen?
5. Give an example of a region where divergent plate boundaries are responsible for geological activity. What geological features can be found there?

