

Name _____

Continental Jigsaw: The Story of Plate Tectonics

Open-Ended Response Questions

1. Imagine you are a scientist exploring a new piece of land and come across a type of rock that is typically found in a different part of the world. How might you use this discovery to support the theory of plate tectonics?
2. Describe a real-life geological feature or event (e.g., the Himalayan Mountains or the formation of the Hawaiian Islands) that can be explained by the theory of plate tectonics. Explain the processes involved.
3. Plate tectonics are responsible for both geological phenomena and natural disasters. Discuss the positive and negative impacts of plate tectonics on Earth's surface and its inhabitants.
4. How do you think the study of plate tectonics can contribute to our understanding of Earth's future and potential changes in continents and landscapes?

