

Unit 6 Section 4 Study Guide

Directions: Answer the following questions.

Reviewing Objectives Part 1:

1. Describe the motion history of geologic features (e.g., plates, Hawaii) using equations relating rate, time, and distance. Pages: 258-260
2. Describe how the direction and rate of movement for the North American plate has affected the local climate over the last 600 million years. Pages: 255-257

Reviewing Major Concepts Part 2: Chapter 10 section 3

1. Identify how rifting and accretion change the shapes of continents.
2. Describe why a terrane has a different geologic history from that of the surrounding area.
3. Summarize how continental rifting may lead to changes in plants and animals.
4. Describe the supercontinent cycle.
5. Explain how the theory of plate tectonics relates to the formation and breakup of Pangaea.
6. Compare Pangaea and Gondwanaland.
7. List three changes in geography that are likely to happen in the future.

CRITICAL THINKING

8. Identifying Relationships The interior parts of continents generally have colder climates than coastal areas do. How does this fact explain the evidence that the climate on Pangaea was cooler than many modern climates?