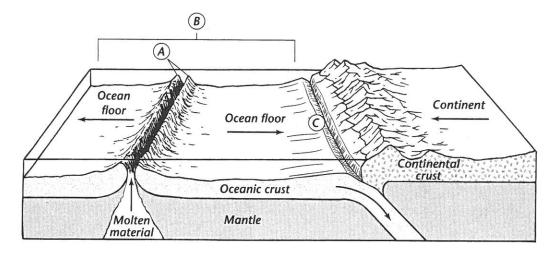
Plate Tectonics

Plate Tectonics • Review and Reinforce

Sea-Floor Spreading

Understanding Main Ideas

Use the figure below to answer the questions that follow. Answer the questions on a separate sheet of paper.



- 1. Name and describe the feature of the ocean floor shown at A.
- 2. Describe the process shown occurring at B, and explain what results from this.
- 3. What happens to old oceanic crust as new molten material rises from the mantle?
- 4. The arrows on the figure show the ocean floor spreading from the ridge. What are three kinds of evidence scientists have found to support this idea?
- 5. What process is shown occurring at C, and why does it occur?

Building Vocabulary

Fill in the blank to complete each statement.

- 6. A device that scientists use to map the ocean floor is _____
- 7. The feature on the ocean floor at C is called a(n)
- 8. The process that continually adds new material to the ocean floor is
- 9. The process by which the ocean floor sinks into the mantle is called
- 10. A chain of underwater mountains along which sea-floor spreading occurs is a _____