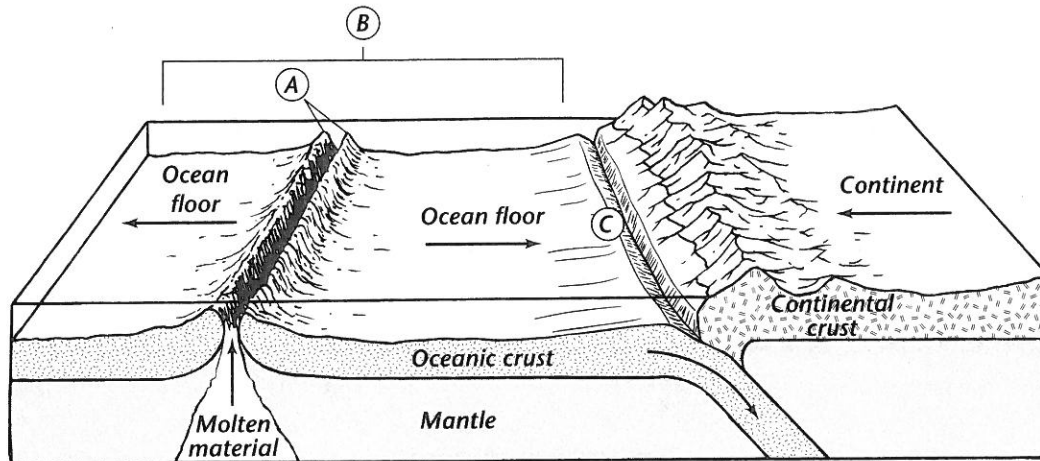


Plate Tectonics ▪ *Review and Reinforce*

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 called _____.
9. The process by which the ocean floor sinks into the mantle is called _____.
10. The chain of mountains that extends into all of Earth's oceans is the _____.