

## Chapter 9

Use with Section 3

## REINFORCEMENT

## ● Plate Tectonics

Use the words in the box to fill in the blanks.

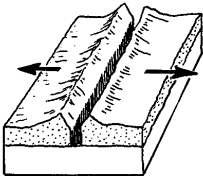
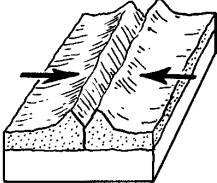
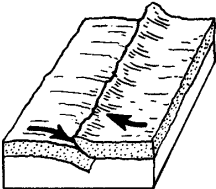
asthenosphere  
convection current

lithosphere  
plates

plate tectonics

- The theory of \_\_\_\_\_ states that Earth's crust and upper mantle are broken into sections.
- These sections, called \_\_\_\_\_, are composed of the crust and a part of the upper mantle.
- The crust and upper mantle are called the \_\_\_\_\_.
- Beneath this layer is the plasticlike \_\_\_\_\_.
- Many scientists think hot plasticlike rock is forced upward toward the surface, cools, and sinks. This process is called a \_\_\_\_\_ current.

Four diagrams are shown in the table below. Explain each diagram to complete the table.

Diagram	Type of boundary and motion at boundary	Diagram	Type of boundary and motion at boundary
6. 		8. 	
7. 		9. 