

## Lesson Quiz

# Convection and the Mantle

Write the letter of the correct answer on the line at the left.

1. \_\_\_\_ How does heat move?
  - A from a warmer to a cooler object
  - B from a cooler to a warmer object
  - C toward a hot object
  - D away from a cold object
2. \_\_\_\_ How is energy from the sun transferred?
  - A by radiation
  - B by conduction
  - C by convection
  - D by the force of gravity
3. \_\_\_\_ Heat from which of these causes convection currents inside Earth?
  - A crust
  - B crust and mantle
  - C crust and core
  - D mantle and core
4. \_\_\_\_ Which of these combines with changes in a fluid's density and the force of gravity to set convection currents in motion?
  - A evaporation of a fluid
  - B condensation of a fluid
  - C freezing and melting of a solid
  - D heating and cooling of a fluid

Fill in the blank to complete each statement.

5. \_\_\_\_\_ is the transfer of heat by the movement of a fluid.
6. When you heat up an object, the particles in the object move \_\_\_\_\_.
7. A cool fluid is \_\_\_\_\_ dense than a warm fluid.
8. When you touch hot sand, heat is transferred by \_\_\_\_\_ to your skin.
9. \_\_\_\_\_ convection, and conduction are the three types of heat transfer.
10. The amount of mass in a given volume of a substance is known as \_\_\_\_\_.