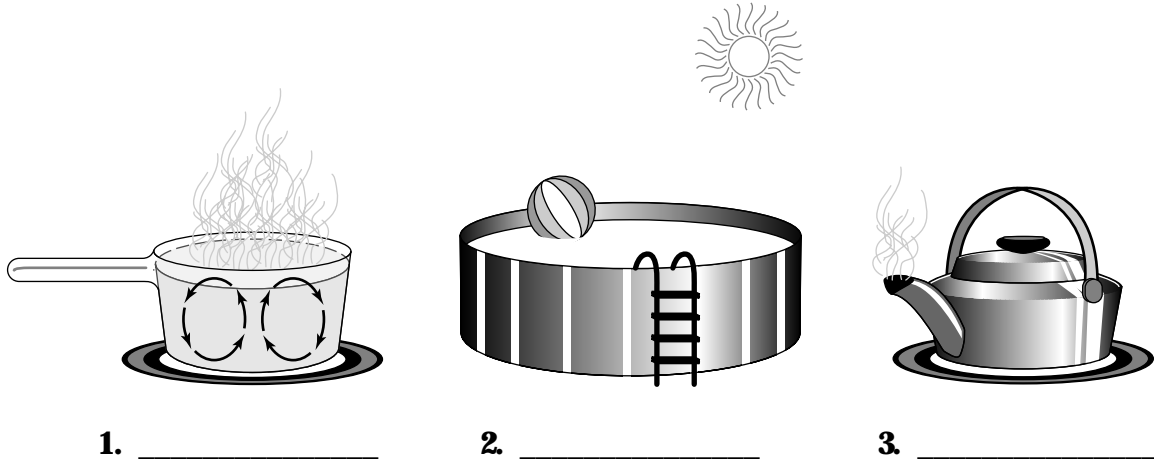


**SECTION 4 - 2 REVIEW AND REINFORCE**

# Convection Currents and the Mantle

◆ Understanding Main Ideas

Label each figure by writing the type of heat transfer it shows.



Answer the following questions in the spaces provided.

4. What are convection currents and what causes them?

\_\_\_\_\_

\_\_\_\_\_

5. What causes convection currents in Earth's mantle?

\_\_\_\_\_

\_\_\_\_\_

◆ Building Vocabulary

If the statement is true, write true. If it is false, change the underlined word or words to make the statement true.

- \_\_\_\_\_ 6. The transfer of energy through empty space is called convection.
- \_\_\_\_\_ 7. The movement of energy from a warmer object to a cooler object is called heat transfer.
- \_\_\_\_\_ 8. Conduction is heat transfer by direct contact of particles of matter.
- \_\_\_\_\_ 9. Radiation is the transfer of heat by the movement of a heated fluid.
- \_\_\_\_\_ 10. Density is a measure of how much heat there is in a volume of a substance.