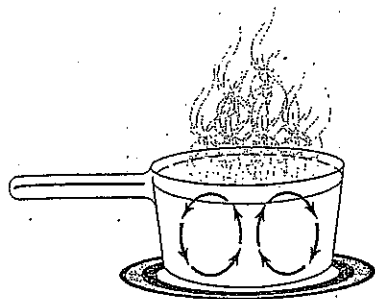


Convection Currents and the Mantle

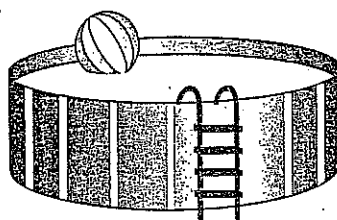
◆ Understanding Main Ideas

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

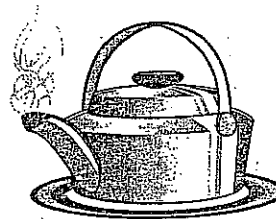
1



1. _____



2. _____



3. _____

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.