

STUDY GUIDE

Chapter 6

Moving Thermal Energy

In each of the following statements, a term has been scrambled. Unscramble the term and write it on the line provided.

- _____ 1. The transfer of thermal energy through matter by direct contact of particles is called *docniotucn*.
- _____ 2. Conduction can take place in solids, liquids, and *sages*.
- _____ 3. The transfer of energy by the movement of matter is called *vecconniot*.
- _____ 4. Any material that can flow is *lufdi*.
- _____ 5. Any material that allows heat to pass through it easily is a *roconcutd*.
- _____ 6. The type of heat transfer that does not require matter is *iadraniot*.
- _____ 7. Radiation is the transfer of energy in the form of invisible *vaews*.
- _____ 8. Any material that does not allow heat to pass through it easily is an *roznsulta*.
- _____ 9. Many conductors, such as silver and copper, are *lemtas*.
- _____ 10. Energy that travels by radiation is often called *darinta greeny*.
- _____ 11. Insulators, such as wood and air, are poor conductors of *thea*.
- _____ 12. The transfer of thermal energy by convection and conduction both require *atterm*.

On the lines provided, explain the differences between conduction, convection, and radiation. Use the information in the exercise above to help you. Write your answers in complete sentences.
