

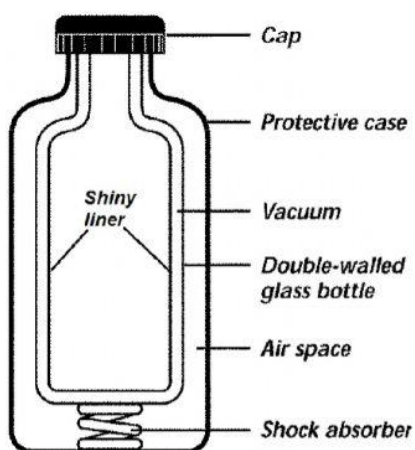
Chapter 14 Unit Test

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 1. Which statement is true of gases?
 - a. Gases have a definite volume.
 - b. Gases have a definite shape.
 - c. Gases expand to fill all the space available.
 - d. The particles that make up gases are packed together in a relatively fixed position.
- _____ 2. The transfer of energy by electromagnetic waves is called
 - a. convection.
 - b. radiation.
 - c. conduction.
 - d. insulation.
- _____ 3. In an internal combustion engine, each up or down movement by a piston is called a
 - a. crank.
 - b. combustion.
 - c. turn.
 - d. stroke.

Thermos Bottle



- _____ 4. Which kind of heat transfer is the shiny liner designed to stop?
 - a. Radiation
 - b. Convection
 - c. Conduction
 - d. Transition
- _____ 5. The vacuum would stop heat transfer by
 - a. Conduction & Convection
 - b. Radiation & Convection
 - c. Convection
 - d. Conduction
- _____ 6. The movement of thermal energy from a warmer object to a cooler object is called
 - a. heat.
 - b. motion.
 - c. momentum.
 - d. temperature.
- _____ 7. Heat, like work, is an energy transfer measured in
 - a. joules.
 - b. watts.
 - c. degrees.
 - d. kelvins.
- _____ 8. Vaporization that takes place only at the surface of a liquid is called
 - a. melting.
 - b. boiling.
 - c. evaporation.
 - d. condensation.
- _____ 9. A steam engine is an example of a(n)
 - a. eight-cylinder engine.
 - b. internal combustion engine.
 - c. external combustion engine.
 - d. four-stroke engine.
- _____ 10. The addition or loss of thermal energy changes the arrangement of the particles during
 - a. radiation.
 - b. conduction.
 - c. a change of state.
 - d. convection.