

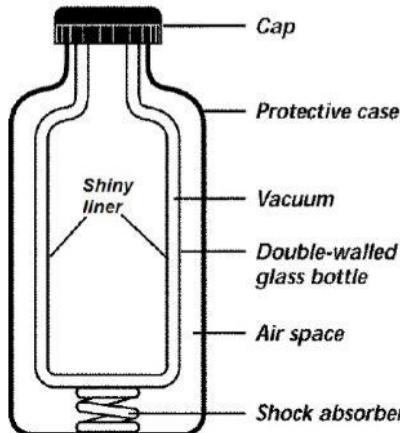
Multiple Choice

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

_____ 11. Heated air moves from baseboard heaters to the rest of a room in a process called

- a. convection.
- b. insulation.
- c. conduction.
- d. radiation.

Thermos Bottle



12. Which kind of heat transfer is the shiny liner designed to stop?
a. Convection c. Conduction
b. Transition d. Radiation

13. The vacuum would stop heat transfer by
a. Conduction & Convection c. Convection
b. Radiation & Convection d. Conduction

14. The movement of thermal energy from a warmer object to a cooler object is called
a. momentum. c. heat.
b. motion. d. temperature.

15. Which statement is true of gases?
a. The particles that make up gases are packed together in a relatively fixed position.
b. Gases expand to fill all the space available.
c. Gases have a definite volume.
d. Gases have a definite shape.

16. Which of the following is true of the Celsius scale?
a. 212 degrees is the boiling point of water.
b. 0 degrees is the freezing point of water.
c. 32 degrees is the freezing point of water.
d. 0 degrees is absolute zero.

17. The transfer of energy by electromagnetic waves is called
a. convection. c. conduction.
b. radiation. d. insulation.

18. The addition or loss of thermal energy changes the arrangement of the particles during
a. conduction. c. convection.
b. radiation. d. a change of state.

19. The more particles a substance has at a given temperature,
a. the more kelvins it has. c. the more thermal energy it has.
b. the higher its temperature. d. the more degrees it has.

20. A steam engine is an example of a(n)
a. external combustion engine. c. eight-cylinder engine.
b. internal combustion engine. d. four-stroke engine.