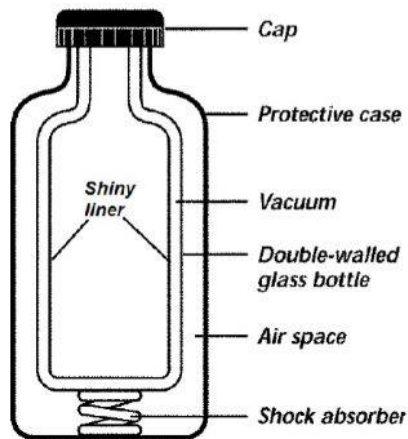


### Multiple Choice

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
- convection.
  - insulation.
  - conduction.
  - radiation.

### Thermos Bottle



- \_\_\_ 12. Which kind of heat transfer is the shiny liner designed to stop?
- Convection
  - Transition
  - Conduction
  - Radiation
- \_\_\_ 13. The vacuum would stop heat transfer by
- Conduction & Convection
  - Radiation & Convection
  - Convection
  - Conduction
- \_\_\_ 14. The movement of thermal energy from a warmer object to a cooler object is called
- momentum.
  - motion.
  - heat.
  - temperature.
- \_\_\_ 15. Which statement is true of gases?
- The particles that make up gases are packed together in a relatively fixed position.
  - Gases expand to fill all the space available.
  - Gases have a definite volume.
  - Gases have a definite shape.
- \_\_\_ 16. Which of the following is true of the Celsius scale?
- 212 degrees is the boiling point of water.
  - 0 degrees is the freezing point of water.
  - 32 degrees is the freezing point of water.
  - 0 degrees is absolute zero.
- \_\_\_ 17. The transfer of energy by electromagnetic waves is called
- convection.
  - radiation.
  - conduction.
  - insulation.
- \_\_\_ 18. The addition or loss of thermal energy changes the arrangement of the particles during
- conduction.
  - radiation.
  - convection.
  - a change of state.
- \_\_\_ 19. The more particles a substance has at a given temperature,
- the more kelvins it has.
  - the higher its temperature.
  - the more thermal energy it has.
  - the more degrees it has.
- \_\_\_ 20. A steam engine is an example of a(n)
- external combustion engine.
  - internal combustion engine.
  - eight-cylinder engine.
  - four-stroke engine.