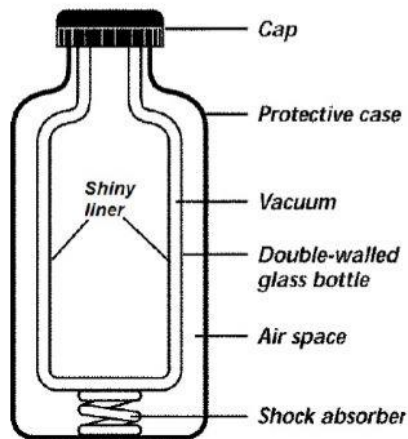


Multiple Choice

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.