

## Keep It Hot! Quiz

1. You put hot water in a bottle and let it cool in the classroom for 10 minutes. In the case of the un-insulated (control) bottle, which way did heat flow?
  - a. From the outside air to the bottle.
  - b. From the bottle to the outside air.
  - c. Heat did not flow during this activity.
  
2. In the case of the insulated bottle, which way did heat flow?
  - a. From the outside air to the bottle.
  - b. From the bottle to the outside air.
  - c. Heat did not flow when the bottle was insulated.
  
3. What is the purpose of insulation?
  - a. To slow down the flow of heat.
  - b. To reverse the flow of heat.
  - c. To completely stop the flow of heat.
  
4. If we had filled the bottles with ice water instead of hot water, what would have happened?
  - a. Insulated bottles would warm up faster than un-insulated bottles.
  - b. Insulated bottles would stay cool longer than un-insulated bottles.
  - c. There would be no difference between the two bottles.