

Name _____

1. What material can keep heat out and also keep heat in, that will keep a drink hot for the longest period of time, or keep something cool? _____

2. What material is best to keep heat in during the winter and keep heat out during the summer? _____

3. Air in a lunchbox will keep things warm for extended periods of time.

4. When you use a spoon to stir a hot beverage, what happens to the spoon?

5. A gas burner heats water through convection. **Convection** is the transfer of heat through a liquid or gas.

6. Radiation from the sun or fire can heat solids and liquids.

7. What is heat?

8. What is conduction?

9. When a liquid is heated, what happens to it? _____

10. A thermometer changes liquid placement by the temperature of the object it is measuring.

11. What does high heat do to water?

12. The furthest point away from a heat source the transfer of heat is the most reduced.