

### Conduction, Convection, or Radiation?

1. Hot coffee is stirred with a spoon, the spoon gets hot due to \_\_\_\_\_.
2. A chair is placed several feet from a fire in a fireplace. The fireplace has a glass screen. The side of the chair facing the fireplace gets warm because of \_\_\_\_\_.
3. Near the ceiling of a room the air is warmer. The warm air rises because of \_\_\_\_\_.
4. A college student holds the back of his hand near an iron to see if it is hot. Heat is transferred to his hand by \_\_\_\_\_.
5. A heater is placed under one corner of a water bed mattress. Warm water moves throughout the mattress because of \_\_\_\_\_.
6. A certain type of stainless steel cookware has a layer of copper applied to the bottom to help it heat evenly. The copper transfers heat to the pan by \_\_\_\_\_.
7. In a swimming pool, the water near the surface is slightly warmer. The warm water rises because of \_\_\_\_\_.
8. A house burns down. On the house across the street, all of the vinyl siding is twisted and warped by the heat. The heat was transferred across the street by \_\_\_\_\_.
9. Warm air over the beach rises while cooler dense air from the ocean rushes in due to \_\_\_\_\_.
10. The metal skewer gets so hot that you drop your marshmallow in the campfire because of \_\_\_\_\_.
11. A huge rock at the state park gets so hot during the day that you can't sit on it from \_\_\_\_\_.
12. A fireman feels a door and it is hot from the fire on the other side due to \_\_\_\_\_.
13. You are in the top bunk of a bunk bed and you want to turn the air conditioner on while your friend on the bottom bunk is fine is caused by \_\_\_\_\_.