



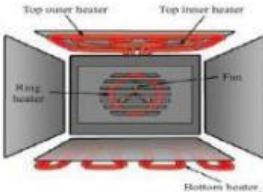





Learning Target: I can construct and explain energy transformations within a system.

Conduction, Convection, Radiation Activity



Part A: Identify whether heat is being transferred through conduction, convection, or radiation in each of the following examples. Some examples may have two or more possible answers. Choose the answer/s that best fit each situation.

1.  Touching a hot stove. _____
2.  Steak cooking in pan. _____
3.  Sun bathing. _____
4.  Heating home. _____
5.  Cooking in oven. _____
6.  Cook in microwave. _____
7.  Snowman melts in sun. _____
8.  Boiling pot on stove. _____

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Part B: Use the examples to identify whether heat is being transferred through conduction, convection, or radiation. Some examples may have two or more possible answers. Choose the answer/s that best fit each situation. Draw a picture of each example and label where and how the heat energy is being transferred.

9. Warming hand over a radiator. _____

10. Chicken cooking on a closed grill. _____

11. Getting warm by standing by a fireplace. _____

12. Tongue stuck to a cold metal pole. _____

13. Making toast in a toaster. _____

14. Water boiling in a pot to cook food. _____

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