


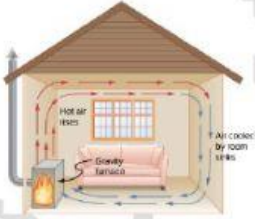
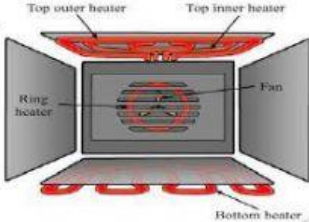





Learning Target: I can construct and explain energy transformations within a system.



### 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. \_\_\_\_\_