

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.



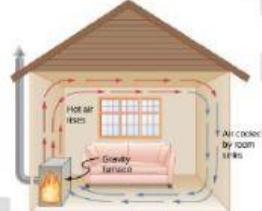
Steak cooking in pan.

3.



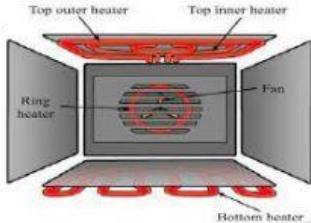
Sun bathing.

4.



Heating home.

5.



Cooking in oven.

6.



Cook in microwave.

7.



Snowman melts in sun. 8.



Boiling pot on stove.

Created By: Chivas & Jordan Spivey

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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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