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

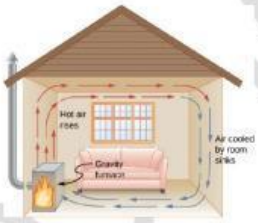
Conduction, Convection, Radiation Activity

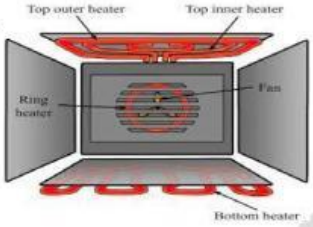
Part A: Identify whether heat is being transferred through conduction, convection, or radiation in each of the following examples. Some examples may have two or more possible answers. Choose the answer/s that best fit each situation.

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

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

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. _____

Created By: Chivas & Jordan Spivey