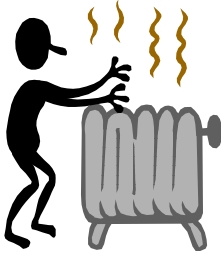


Target: Classify heat transfer as conduction, convection or radiation. (knowledge)

## Energy Worksheet 2: Conduction, Convection and Radiation

In each of the following examples, identify whether heat is being transferred through conduction, convection or radiation. Some may have two possible answers. Choose the answer that best fits the situation.

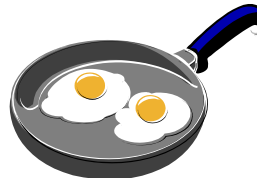
1)



Warming hand over a radiator.

\_\_\_\_\_

2)



Eggs cooking in a frying pan.

\_\_\_\_\_

3)



Snowman melting in the sun.

\_\_\_\_\_

4)



Water boiling in a kettle.

\_\_\_\_\_

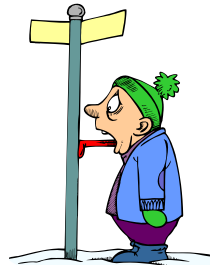
5)



Warmth from the fireplace circulating through the house.

\_\_\_\_\_

6)



Tongue freezing to a metal pole.

\_\_\_\_\_

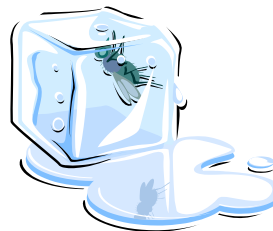
7)



Newt boiling in a hot caldron.

\_\_\_\_\_

8)



Ice melting on a hotplate.

\_\_\_\_\_

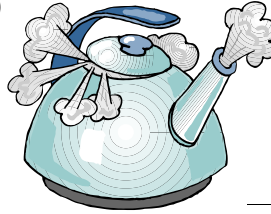
9)



Freezing outside on a cold day.

\_\_\_\_\_

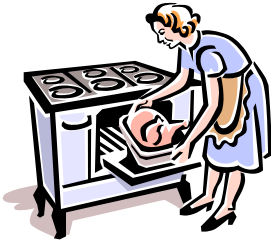
10)



Steam piping out of a teapot.

\_\_\_\_\_

11)



Burning your hand on a hot pan

\_\_\_\_\_

12)



Ice cubes keeping lemonade cold.

\_\_\_\_\_

13)



Laying out in the sun.

\_\_\_\_\_

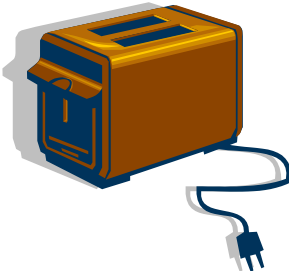
14)



Roasting marshmallows over a fire.

\_\_\_\_\_

15)



Making toast in a toaster.

\_\_\_\_\_

16)



Heating a kettle on a hot furnace.

\_\_\_\_\_