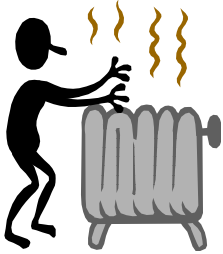


Target: Classify heat transfer as conduction, convection or radiation. (knowledge)

Energy Worksheet 2: Conduction, Convection and Radiation

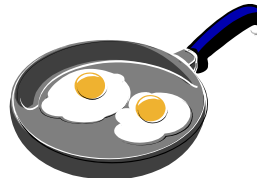
In each of the following examples, identify whether heat is being transferred through conduction, convection or radiation. Some may have two possible answers. Choose the answer that best fits the situation.

1)



Warming hand over a radiator.

2)



Eggs cooking in a frying pan.

3)



Snowman melting in the sun.

4)



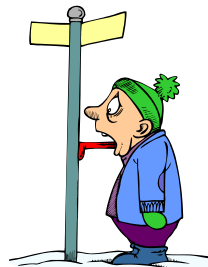
Water boiling in a kettle.

5)



Warmth from the fireplace circulating through the house.

6)



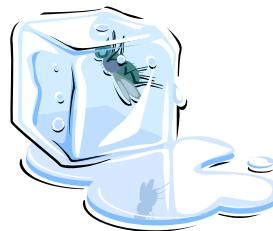
Tongue freezing to a metal pole.

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)



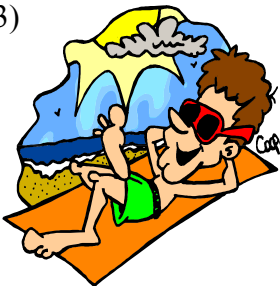
Burning your hand
on a hot pan

12)



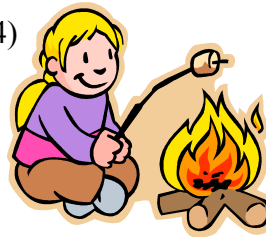
Ice cubes keeping
lemonade cold.

13)



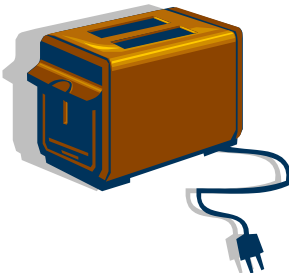
Laying out in
the sun.

14)



Roasting marsh-
mallows over a fire.

15)



Making toast
in a toaster.

16)



Heating a kettle
on a hot furnace.
