

Name: _____

Heat Energy Worksheet

Activity 1: Water Molecules on the Move

Draw your observations of the cold water and the hot water. What do you think the molecules look like?

Hot

Cold

Activity 2: Balloon Activity

Draw (or write) what happens to the balloon after placing the bottle into the hot water.

Before

After

Why does this happen? _____

Activity 3: Making a Thermometer

Draw your bottle before and after holding your thermometer.

Before

After

Activity to do at home:

- 1) Blow up a balloon and measure its diameter.
- 2) Place the balloon into the refrigerator and wait one hour.
- 3) Re-measure the diameter of the balloon. What happened and why?