

NAME: _____

DATE: _____



SENSING HEAT



1. Measure the temperature of each water sample using both thermometers. Write the temperature from each sensor in the boxes.

Warm water	Cold water	Room temperature
_____ ° F Liquid thermometer	_____ ° F Liquid thermometer	_____ ° F Liquid thermometer
_____ ° F Infrared thermometer	_____ ° F Infrared thermometer	_____ ° F Infrared thermometer

2. Find nearby places that you think have the **highest** (hottest) and **lowest** (coldest) temperatures. Measure them each with the **infrared** thermometer.

Draw the places you observed, and show the infrared thermometer sensing the temperature. Write the temperature from the **infrared** thermometer.

Highest temperature

_____ ° F

Lowest temperature

_____ ° F

Use words like “sensor” “signal” “temperature” and “heat” to tell how you think the sensor works.
