| NAME: | |
|---------|--|
| DATE: _ | |



SENSING HEAT

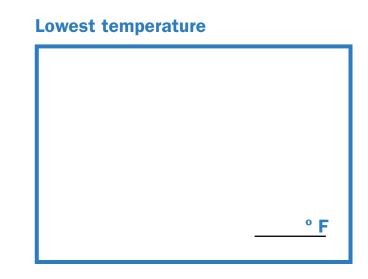
1. Measure the temperature of each water sample using both thermometers, Write the temperature from each sensor in the boxes.

| Warm water | Cold water | Room temperature |
|---------------------------|--------------------------|------------------------|
| ° F Liquid thermometer | ° F Liquid thermometer | ° F Liquid thermometer |
| ° F | ° F Infrared thermometer | ° F |

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 temperat | ure | |
|------------------|-----|------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | <u>° F</u> |
| | | |



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