Homemade Thermometer

Name: _____

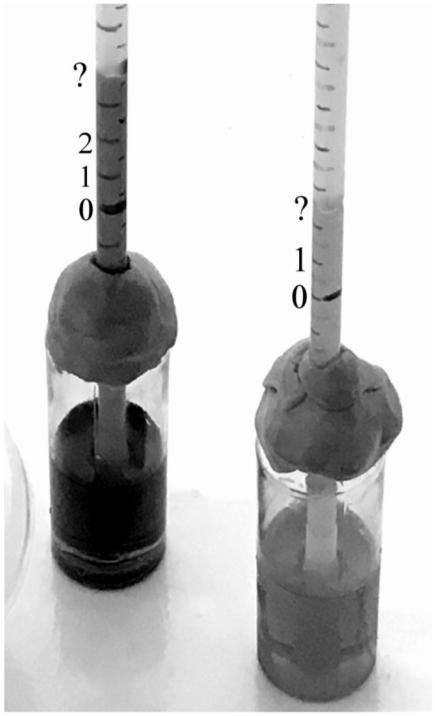
Date: _____

Student quiz

Directions: Indicate the best answer for each question below.

1. Select all correct statements.
    a. A thermometer measures how cold or how warm it is.
    b. A thermometer *only* measures how warm it is.
    c. A thermometer *only* measures how cold it is.
    d. A thermometer measures the weather.

2. Indicate which statement fits with Picture 1.
    a. Both thermometers read 4.
    b. One thermometer reads 4, and the other reads 2.5.
    c. One thermometer reads 6, and the other reads 3.
    d. None of the above.



Picture 1

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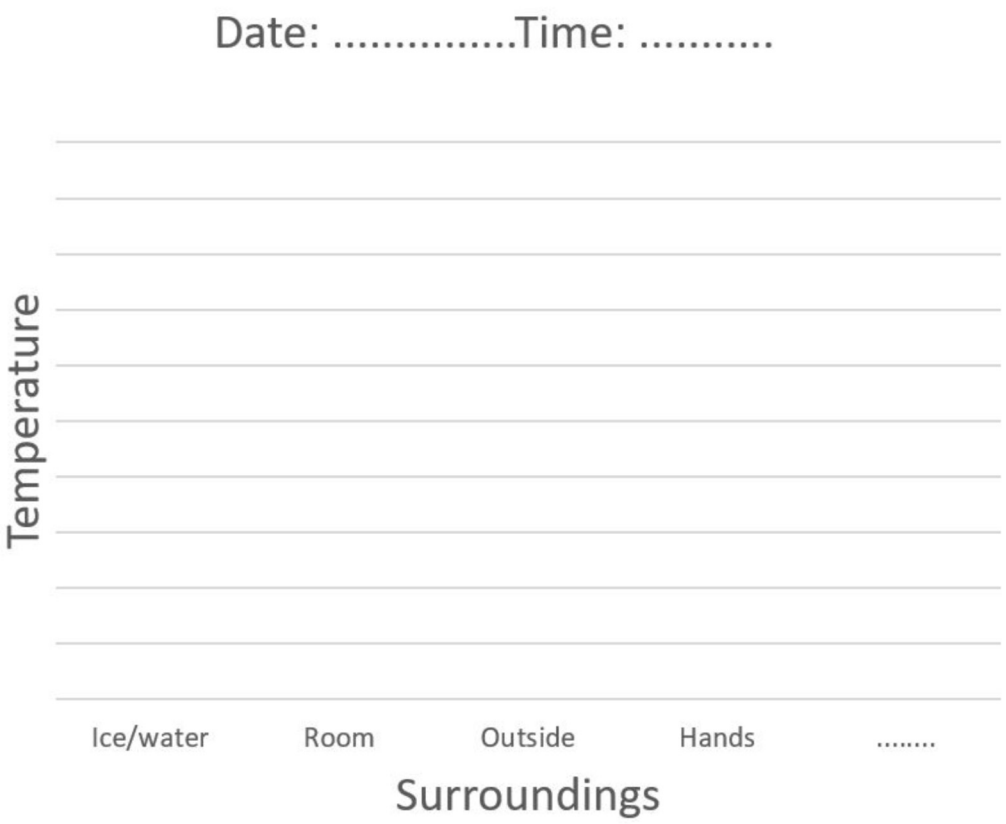
Name: _____

Directions: Complete the graph below, as described.

3. Lea used her homemade thermometer to measure the temperature of an ice/water bath, her room, outside, her hands, and the indoor pool area. She records her data in Table 1.

Table 1: Temperature measurements March 10, 8:00 a.m. Homemade Thermometer					
Surrounding	Ice/water bath	Room	Outside	Hands	Indoor Pool
Temperature	0	12	6	17	18

Make a bar graph of her data.



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Name: _____

Directions: Answer the questions below.

4. Lea measures the temperature of the same locations at 8:00 a.m. and shortly after noon. All her data are recorded in Table 2.

Table 2: Temperature measurements March 10, 8:00 a.m. and 1:00 p.m.

	Ice/water bath	Room	Outside	Hands	Indoor Pool
8:00 a.m.	0	12	6	17	18
1:00 p.m.	0	13	10	1	18

Do Lea's afternoon data look realistic? Why or why not? Make sure to use the data in your arguments.