



**Conclusion Questions:**

1. According to your data, at what temperature(s) is water in the form of ice?
2. According to your data at what temperature does water boil?
3. Look at the graph of your data. What happens to the temperature as the water:
  - a. Completes Melting?
  - b. Boils Continuously?
4. What evidence might you have that a "change in state" requires the use of heat energy?
5. Explain what is happening to the particles of ice it changes to liquid water.
6. Explain what is happening to the particles of liquid water as they change into water vapor (gas).
7. If the process of melting absorbs heat energy from the surroundings, then what would the process of freezing do?
8. What is the difference between sublimation and evaporation?

**Lab #2 –(Oobleck)**

**Problem:** Is Oobleck a solid or a liquid?

**Hypothesis:** \_\_\_\_\_

**Materials:**  
(1) plastic bowl  
(1) 100 ml Beaker  
(1) 250 ml Graduated Cylinder

**Procedure:**

1. Go to the front table and obtain 50 ml of corn starch and place it into the 100 ml beaker.
2. Obtain 33 ml of water in the graduated cylinder.
3. Add your choice of food coloring to the water from the front table.
4. Pour corn starch and water into the plastic bowl.
5. Mix the solution well with your hands and observe the characteristics of ***Oobleck!***
6. Once placed in the palm of your hand experiment with the different properties of the solution.

**Conclusion:**

1. Is the substance a solid or a liquid? Explain your answer.
2. What properties make you believe that Oobleck is a solid?
3. What properties make you believe that Oobleck is a liquid?
4. Can you explain what causes these obscure behaviors?

