Ice Lab Procedure

Purpose: To examine the effect on a storage contain on how quickly the ice will melt

Procedure:

1) Collect lab supplies
2) Place one ice cube on your table and look at the **SIZE** of the cube. You will be estimating how much of the water is solid during lab today. A new ice cube is 100%, one that is half melted is 50% and one that is totally melte is 0% etc.
3) Record at least 3 other observations about your cube below:
4) Think about each of the materials for the cups. **Make a prediction about which cup will keep the ice solid for the longest time:**
5) Place the styrofoam cup on your table and add the ice cube to the cup and start the timer
6) Every 15 seconds estimate the percentage of the cube that is still solid and record the results on **data table 1**.
7) Once all of the ice has melted, stop the timer and get a new piece of ice
8) Repeat steps 5-7 with the plastic cup and record your results in **data table 2**
9) Repeat steps 5-7 with the aluminum cup and record your results in **data table 3**
10) Empty each of your cups in the sink in the back and dry them with a paper towel
11) You are now going to repeat the experiment, but instead of setting the cup on the table, you are going to hold the cup in your hands
12) Holding the styrofoam cup, repeat steps 5-7 and record your results in **data table 4**
13) Holding the plastic cup, repeat steps 5-7 and record your results in **data table 5**
14) Holding the aluminum cup, repeat steps 5-7 and record your results in **data table 6**
15) Empty each of your cups in the sink and dry them with a paper towel
16) Clean up your lab area and begin the analysis questions