

## “Scientists Are Thinkers”

**Question/Problem: What do we want to find out?**

Is something that is bigger always heavier?

**Hypothesis: What do we think we will find out? Make a prediction.**

Objects that are bigger will weigh more (be heavier).

**Materials: List what you will need to test the hypothesis**

1. Balance
2. Empty milk cartons
3. Large size rocks or Pumice
4. Marbles
5. Pencils
6. Styrofoam Peanuts

**Procedures/Steps: State step by step what you are going to do.....specifically**

1. Place each item on the balance and weigh it
2. Record the weight of each object
3. Place the objects in order on the handout.

**Observe and Record Data: List, picture, chart, graph**

Object	Mass
Milk Carton	
Rock	
Marble	
Pencil	
Packaging	

**Analysis/Results: What does the data tell us?**

Students will order the objects from heaviest to lightest on a handout.

Based on the data, weight of an object does not depend on its size. We know this from the order that was done above.

**Conclusion: What did I learn? What does it make me want to learn next?**

We learned that the size of an object does not mean it will weigh more.

In the future, I would like to see if all objects of the same size weigh the same.