**Unit 1**

**What Does it Matter?**

**Question: What is the relationship, if any, between mass and volume?**

Materials:

5 different objects that will fit in the given containers

Graduated Cylinder(s)

Scale

Calculator

Hypothesis: Write your hypothesis in an “If…Then…” statement

Name your independent variable:

Name your dependent variable:

Perform an experiment that will allow you to compare how mass and volume are related.

List the steps of your procedure:

Generate one data table (make sure to include units):

Generate one graph (make sure to include units and an accurate scale)

Analyze your data: Create a mathematical expression to support your findings and describe the slope of your graph.

Discussion: Did your data support your hypothesis? Why or why not?

Reflection: How did your data compare to other groups? How was it different?