**Review Guide for Unit Test 1**

**Define these terms:**

Independent variable:

Dependent variable:

Control variable:

Control group:

Experimental group:

Hypothesis:

Observation:

Inference:

All EXPERIMENTS have:

Why is it important that we repeat experiments?

Theories:

Laws:

How do we use models in science?

Why do scientific conclusions based on reliable scientific data sometimes change?

When sharing the step and methods of a scientific investigation, we should always….

**Be able to apply what you know about experimental design**

Testable question: Does adding salt water affect how tall a plant grows?

IV:

DV:

CG:

EG:

Constants:

Hypothesis:

What do you do if your hypothesis is not supported by your data?

**Be able to put the scientific method in the correct order**

1.

2.

3.

4.

5.

6.