**SCIENTIFIC METHOD VOCABULARY**

**QUESTION:**

The question is what you are trying to find an answer to. This is the reason for your lab.

**HYPOTHESIS:**

An educated prediction that can be tested.

**MATERIALS:**

A list of every piece of equipment you use during a lab.

**PROCEDURE:**

The specific steps you will follow in a lab, written in a clear and logical order.

**DEPENDENT VARIABLE:**

The dependent (responding) variable is the variable that is being observed, which changes in response to the independent variable. Usually the y- axis on a graph.

**INDEPENDENT VARIABLE:**

The independent (or manipulated / experimental) variable is the variable you purposely manipulate (change). Usually the x- axis on a graph.

**CONTROLLED VARIABLES:**

The variables that are not changed, that remain constant for both the experimental and control groups.

**QUALITATIVE DATA:**

The information that can’t be measured, but is descriptive in nature using your 5 senses.

**QUANTITATIVE DATA:**

The information that can be measured, timed, weighed, etc….

**CONCLUSIONS:**

The conclusion is one statement, backed up by data analysis, that supports or refutes the hypothesis.