

Name _____

Title _____

Variables (What are the things that could affect the outcome of the inquiry)

Manipulated (What are you changing on purpose?) _____

Responding (What results are you measuring?) _____

Controlled (What are you keeping the same?) _____

Question (What are you trying to find out in the inquiry?)

How will the _____ affect the _____ ?
manipulated variable responding variable

Hypothesis (Prediction with reason)

If we _____ ,
Describe the change you will make to the manipulated variable. Use words like increase, decrease, more, or less

then _____ .
Describe how you think the responding variable will change. You might want to increase, decrease, more or less.

We think this because _____ .
(Why do you think this will happen?)

Materials (What equipment you need to complete the lab. Label each material with corresponding variables.)

1	4	7
2	5	8
3	6	9

Procedure (Step by step process to do lab)

1. First _____
(Describe how you will set up the materials)

2. Next _____
(Describe how to do the first test of the manipulated variable, and to what degree it is done)

3. Then, measure _____ , and record this in your data table.
(Describe the measurement of the responding variable)

4. Repeat steps 2 and 3 _____ times to have _____ trials.

5. _____
(Describe how you are changing the manipulated variable and by how much)

6. Now repeat steps 2-4 _____ more times.
(The number of repeats is how many more changes of the manipulated variable are left)

Diagram (Labeled drawing of the materials and setup for the investigation)

