

Name _____

Class _____

Date _____

"Lab Name" Report

Names of any lab partners _____

ALL LAB REPORTS MUST BE TYPED & PRINTED 2 SIDED

Title - Briefly describe the experiment you did. The reader should have an idea what the experiment is about from your title alone.

Problem/Question - Why are you conducting this experiment? What are you trying to find out?

Hypothesis - This is your possible explanation or educated guess at what will happen. **IF → THEN.** Be sure to highlight the "if" and the "then" portion of your hypothesis

Variables - identify both the independent variable you are testing (**I**, the **I**nvestigator, purposely change the **I**ndependent variable) as well as the dependent variable (this responds to the change you made). Additionally, include at least three variables that must remain constant between the control and experimental groups.

Materials - include a bulleted list of all materials used in the experiment. If it's a long list put into multiple columns to save space.

For example:

- Material 1
- Material 2
- Material 3
- Material 4
- Material 5
- Material 6
- Material 7
- Material 8
- Material 9

Procedure - Include a numbered list of all the steps taken to complete the experiment.

Results - Include all collected data in this section. Make it as easy to interpret for the reader as you can by putting the data into a chart, table or graph. When graphing be sure to put the independent variable on the X axis and the dependent variable on the Y axis, label each axis with a title AND units and keep the scale consistent. If you draw the graph by hand rather than use a computer make sure it is extremely neat and legible. Use a ruler to make straight lines and do it in pencil in case you make a mistake that way you can erase it.

Conclusion - restate your hypothesis and state whether the data collected supports it or not. Your hypothesis is not right or wrong, it is either supported or not - cite specific data! If the hypothesis was not supported, suggest another possible experiment that could be done to address the original problem/question.

Include any analysis questions at the very end.