

LAB REPORT TEMPLATE

_____ *PRE-LAB* _____

TITLE:

- Should be descriptive & to the point

PROBLEM:

- What question(s) are you trying to answer?

RESEARCH:

- Include any preliminary observations & prior knowledge needed to understand the experiment
- Include an explanation of principles, definitions, techniques, results, theories, laws, etc.

HYPOTHESIS:

- Write a possible solution for the problem (*If . . . then . . . because*)
- Make sure this possible solution is a complete sentence & testable

MATERIALS:

- Make a list of all items used in the lab including safety materials

PROCEDURE:

- Write a paragraph or a list which explains what you will do/ did in the lab
- Your procedure should be written so anyone else could repeat the experiment

*****Don't forget to include SAFETY PROCEDURES & MATERIALS*****

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_____ LAB DAY _____

ANALYSIS:

- Record all measurements, time of measurements, and detailed observations
Quantitative & Qualitative Data
- Answer all Analysis Questions provided by your instructor
- All required **tables, graphs and charts** should be labeled appropriately

CONCLUSION: (This should be a full paragraph)

- Accept or reject your hypothesis -was it supported or not?
- **EXPLAIN** using data from your analysis
- Discuss possible errors that could have occurred in the collection of data
Experimental Errors
- Suggest further research/ experiments and/ or changes for next time

<i>Title & Problem</i>	5
<i>Research</i>	10
<i>Hypothesis</i>	5
<i>Materials & Procedures</i>	5
<i>Tables, Graphs, & Charts</i>	10
<i>Conclusion</i>	10
<i>Participation / Engagement</i>	5
Total Assessment Points	50

