

Your name
Group partners (last line)
Date:

YOUR ORIGINAL TITLE:

- Must explain what is happening in the lab.

I. INTRODUCTION:

This is a paragraph that discusses **background information** that relates to the lab concepts: For example: what am I doing in class that relates to this experiment.

DO NOT simply copy the introduction on your lab instruction sheet. You may select some facts to incorporate from the provided information, but overall it should be a summary of the topic in your own words. The rest of the information for your introduction should come from class discussions, personal experience (if any) and notes.

II. PROBLEM:

What is the question that this lab is trying to investigate?

- The Problem is written in the form of a question (example: How....? What.....? Why...?)

III. HYPOTHESIS:

This educated guess is written in the form of a statement that starts with “*This* happens because of that”.

- It should attempt to answer the problem, while explaining WHY you wrote the hypothesis.

IV. MATERIALS

- numbered list is mandatory
- Simply copy out the materials that YOU used in this lab, NOT what was written in the book!

V. PROCEDURE:

- These sections should be accurately stated so that someone can understand what was done and repeat the experiment.
- Numbered list is mandatory

VI. DATA/OBSERVATIONS:

This will include all data collected in the form of the charts, tables, drawings, diagrams, and/or graphs to explain or demonstrate your observations in the lab.

- Be sure that your graphs, tables, figures, or diagrams are neatly, completely and **properly labeled** with a complete title.
- In addition, you should write at least 2 sentences describing your qualitative and quantitative observations.

VII. ANALYSIS QUESTIONS:

This section contains the answers to the lab questions or statements of what was observed and recorded.

- Each question should be numbered and answered in complete sentences; restate the question in your answer or write the question and then the answer.
- **SOME labs will not have this section!**

VIII. DISCUSSION (points will vary depending on lab)

This section allows you to “discuss” your findings, explain their relevance and whether they allow you accept or reject your hypothesis. Ultimately, this is the conclusion, but you are “discussing” the reasons why you have drawn this conclusion.

- Be sure to *tie in your background information* you included in the discussion.
- Be sure to source your collected data when making a conclusion. Full value will be given to those who cite figures, data, table, etc from the data/observations section.
- List any possible causes for error in your data or results here. If you know that you “messed up” during the procedure, you should include that information here.

IX. CONCLUSION:

Some labs will have a prompt that will ask you to write about specific topics related to the lab. If this is not the case, then you will need to respond to the following questions. Be sure to use full sentences and answer each question individually, not in paragraph form.

- 1) Provide a very brief description of what happened in the lab. Then, simply state whether your hypothesis right or wrong.
- 2) What you learned (answer the problem as stated in II above).
- 3) Explain what other experiments might be done to further the study.
- 4) Explain how this applies to what we are learning in class AND discuss some real-life applications?