

First and Last Name | Student ID

Month/Day/Year

Course | Section

Instructor's Name

Lab Report Title

PURPOSE

This section pertains to the main question that you are aiming to answer. This should be stated in the form of a question. (Ex: Which ball will bounce higher: rubber or plastic?)

INTRODUCTION

Provide background information about the experiment as well as any research you have done on this topic. This section should be two paragraphs in length, minimum.

HYPOTHESIS

The hypothesis should be a single statement explaining exactly what you are trying to prove. Use the following format: If... then... because...

MATERIALS

In paragraph form, name all of the materials and equipment used in the experiment. Be sure to include specific measurements, amounts, and concentrations of chemicals used.

METHODS

This section includes step-by-step instructions, in order, explaining the procedures used to complete the experiment. These instructions should be thorough so that someone with less expertise could replicate.

RESULTS

All data must be collected and organized in logical order. Results should be illustrated in charts, tables, graphs, and/or diagrams. All data must include a title. Graphs must include a independent variable (x-axis) and dependent variable (y-axis) label with units.

DISCUSSION & CONCLUSION

The discussion is the most important part of the lab report. This is where you show that you understand the experiment beyond completion. Give detailed accounts of what happened in each step of the experiment and elaborate thoroughly on your results and observations. Analyze and interpret why these results were obtained. Explain the significance of these results. Restate your original hypothesis and explain whether or not the experiment succeeded. If the hypothesis was incorrect, why? Explain any errors in your results and provide an Error Analysis explaining any important factors that may have affected your results.

REFERENCES

List your references such as your teacher's notes, websites utilized, textbooks, etc.