

Cover Page	5 Cover page includes all 5 components (name,date,period,title,teacher)	4 Cover page includes 4 components	3 Cover page includes 3 components	2 Cover page includes 2 components
Abstract	10 Abstract is included, it summarizes research, hypothesis, results and conclusion in a well designed paragraph (write this last)	9 or 8 Abstract is included, it is missing one of the 4 components, well designed paragraph	7 or 6 Abstract is included, it is missing two of the 4 components, well designed paragraph	5 or 4 Abstract is included, it is missing three of the 4 components, poorly designed paragraph
Keywords	2 Keywords are present and underline throughout the report	1 Keywords are present but not underlined throughout the report	0 Keywords are not present	x
Introduction	10 Introduction is included, it discusses background information and states the purpose , in a well designed paragraph	8 Introduction is included, it is missing 1 major component of the background information or the purpose.	6 Introduction is included, it is missing 2 major components of the background information or the purpose.	0 Introduction is not included. No Citation Plagiarism!!
Hypothesis	5 Hypothesis as a statement, logical and related to the experiment	0 Hypothesis not included or not logical and not related to the experiment	x	x
Materials	5 all materials and safety equipment in listed or paragraph form and safety is addressed	3 some materials and safety equipment is listed in paragraph form	0 Not included in report	x
Methods/Procedures	10 includes one or more paragraphs or a list , the experiment could be reproduced by using the description.	9,8 includes one or more paragraphs , the experiment could not be reproduced by using the description. 1 unclear step.	7,6 includes one or more paragraphs, the experiment could not be reproduced by using the description. 2 unclear steps	0 could not be reproduced by using the description.

Results	20 all data was collected and displayed in a chart/table and graph. all graph/chart are labeled and correct . All lab questions are answered correctly.	19-10 parts of data was not collected and displayed in a chart/table and graph. some graph/chart are labeled and correct. Some lab questions are incorrect.	9-5 displayed in a chart/table and graph. 2 to 3 graph/chart labels are missing. Chart/graph has a description. some lab questions are incorrect	0 No Results
Exp. Analysis	5 all important factors that may have affected the results were included	4-3 most of the important factors that may have affected the results were included	2-1 few or none of the important factors that may have affected the results were included	x
Discussion & Conclusion	20 Formed a conclusion that was supported by your data, restated hypothesis, results interpreted and related to real world issues	10-5 parts of the data were not interpreted and related to a restated hypothesis	0 none of the data was interpreted and related to a restated hypothesis, and explanation	x.
References	10 All References were included and appropriately cited as APA	0 References were not included or cited appropriately	x	x
Signature	1 signature is included with a statement.	0 signature is not included with a statement.	x	x
Spelling and Grammar	7 No spelling or grammar errors	5 2-5spelling or grammar errors	3 6-10 Spelling or grammar errors	0 10+ spelling and grammar errors

PUT YOUR TITLE HERE

PLACE A VISUAL HERE

PICTURE or SOMETHING you have gotten off the internet or created

Name:

Class: Biology

Teacher:

Period:

Date:

TITLE (less than 10 words)

Abstract

Write this last! The abstract is A brief, written explanation of the research project, consisting of a succinct description of the project's **purpose**, the procedures followed, the data collected, and the **conclusions** reached.

Keywords

List of Words (make sure you underline them in the TEXT of your report)

Introduction

The introduction should give background information about the experiment. It should also state the **purpose of the investigation**. This is where you will put all the information you found doing your research. You **must identify your references** after your information and list the reference in the reference section of your Lab Report. This section may be significant in length. You can include illustrations as well.

Hypothesis

The hypothesis should be a single statement telling the exact thing you are trying to prove in your experiment. **NEVER** write this statement using “first person”.

Materials

This section includes a list written in **paragraph or List** form, of **ALL** the materials and equipment used. For future labs be sure to include specific amounts and concentrations of chemicals used. Safety equipment or preventative hazardous materials lists and Materials Safety Data Sheets (MSDS) information should be included in terms of handling and disposal.

Methods

This section includes one or more paragraphs or a step by step list explaining the step-by-step procedures used. The description should be so thorough that someone else should use your listed materials and procedures to conduct the same experiment and get the same results. This would include the number of replications or number of trials (experimental groups); control (normal or standard group). If the lab gives you procedures do not simply copy them! State exactly what YOU did in the experiment.

Results

All data should be **collected and organized in a logical order**. Results should be illustrated as **charts and tables**. **You must have a graph**. Diagrams could be useful.

All graphs should include a **TITLE**, the **independent variable** on the horizontal axis, and the **dependent variable** on the vertical axis. All lab questions and answers should be included in this section. (**Bold** the questions and *italicize* the answers).

INSERT HERE ALL
GRAPHS, CHARTS, DIAGRAMS, TABLES

Error Analysis

Include any important **FACTORS** that you think may have actually affected your results.

Discussion and Conclusion

In this section, you should interpret the collected data and relate it to the restated hypothesis. Explain the significance of the results. If additional research and experimentation is needed, explain in this section. Show application of data using real world issues.

References

You may use Citationmachine.net

A reference is a previously published work which has been used as a source in the laboratory report. Must use either APA or MLA reference format.

www.google.com is NOT a resource. You must list the additional web page google sent you to. www.epa.gov/acidrain/what/index.html would be more acceptable.

Spelling and Grammar

Use spell check and grammar check on your computer before printing

Signature and Date

Your **real signature** and the date you are submitting this paper