**Lab Reports**

Title

By

Name

And

Partner

Class Name Teacher

Date (mm/dd/yyyy)

Title Page –

Note: Please do not write double-sided on the paper.

Introduction: A brief description of the concept of the lab. You may need to do some extra research on the concept.

Purpose: A short description of the purpose or objective of the lab. Answer: “why are we doing this lab?”

Hypothesis: Your guess or prediction as to what will occur stated by using an "if - then" statement. This is not a required section in all labs. Your instructor will inform you if you are not to include it.

Procedure: 3rd person, past tense. Written out step-by-step instructions referring to all materials, times, etc. to be used in this lab.

If your teacher says so, you may simply say "Refer to Procedure Outline on Pg#.” if appropriate.

Observations:

There is always some kind of data that needs to be taken down during an experiment. This section includes the notes you collect like the times, temperatures used, quantities, good things that happened and the bad. If possible, data should be in a chart. Sometimes data tables will be provided for you.

Analysis: Any calculations to be completed. Answer all questions in the procedure of the lab or any of the additional questions at the end of the lab that the instructor assigns. If you were required to create a graph and analyze, include this here.

Error Analysis: If applicable, include the calculation of % error.

Conclusion: This is a paragraph or two that tells the reader what you learned.

* Include an analysis of the results when writing a conclusion or discussion section of a lab report. Link the results to what you read in the literature, review or other sources mentioned in the introduction.
* Discuss whether or not the results supported your hypothesis. If they did not, discuss why not.
* Suggest errors that may have affected the experimental design. Discuss how they can be minimized in the future. If applicable, discuss the possibility of using a different methodology or design.