

50pts Lab Notebook:

All lab material must be treated with respect and as if toxic. Students are required to wear goggles at all times during the lab. Failure to do so will result in disciplinary action and a zero in your Lab Notebook Grade for that exercise. It is mandatory that all I students clean their workspace after each lab session to prevent contaminating fellow students.

The Lab Notebook:

1. Use **blue or black PEN** in your laboratory notebook
2. First page must have:
 - Date experiment performed
 - Title of experiment
 - Table of Contents
 - Total number of class periods used conducting the experiment
3. Pages should all be numbered
 - Use only the fronts of the pages.
4. All Lab handouts should be maintained in a 1 inch 3 ring binder left in chemistry prep room for easy access.
5. Data recording
 - All data must be recorded **directly in lab notebook** before being compiled in google docs, Do **not** fill out the data tables in the handouts, they are examples for how you would construct a table! You will construct your own tables in the Lab Notebook.
 - Graphs (with axis labeled) must be compiled **directly in lab notebook**
 - before producing a polished version in google docs

Lab Notebook Outline (for each experiment):

Introduction

- Title
- Purpose -State the problem/ questions clearly substantiate the question and explain the reason for the investigation?
- Theory (Refer to the handouts)

Materials and Methods

- Procedure (Refer to the handout in your lab folder). Labs must have noted any procedural changes. Give explicit details of methods and give precise quantitative directions. Make sure modifications stated in lab report

Results

- Written results section (with figures **Data** must have numbers with descriptive units in correct significant figures)

Discussion and Conclusion

- Explain all calculations which produced data in data table
- Answers to questions written in complete sentences with question stated in answer (Refer to Handout stapled in lab notebook)
- Explanation of data and results
- All calculations using data