



# Honors Laboratory Report Guidelines



## Requirements

1. You must have your lab report written up before you can begin the lab.
2. You may TYPE UP the report or write it (BLACK/BLUE ink only) on lined paper.
  - You cannot print your report for someone else!!
3. Report mistakes - If you make a mistake, just draw ONE LINE through the error or use whiteout.
4. See the following format below on how to write your lab reports.

Lab Group # \_\_\_\_\_  
 (I will assign you a lab group on lab day)

Your Name  
 Period #  
 Date of Lab

**Title of Experiment**  
 (copied from lab & HIGHLIGHT)

## Lab Partner names:

- ✓ ON THE DAY OF LAB, list all names of students (first name, last initial) in your group.

## Purpose of the Lab:

- ✓ Read the lab first.
- ✓ In your own words, write a brief statement of what you are attempting to do for the lab. (One sentence)

## Lab Set-Up Illustrations:

- ✓ Draw pictures (If any) from the lab instructions.
- ✓ **Pictures can be hand-drawn or drawn on the computer in COLOR. Be creative!**

## Chemicals and Equipment:

- ✓ Make a "T-chart...see example below
- ✓ List all chemicals in one column and list all equipment used in another column.

| Chemicals         | Equipment        |
|-------------------|------------------|
| Water             | 2 Beakers, 250mL |
| Sugar             | 5 Test tubes     |
| 1 M Sulfuric acid | Burner           |
| Sodium Chloride   | Striker          |
| Copper Nitrate    | Test tube rack   |



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## Procedures:

- ✓ **\*\*\*READ** the procedures on lab **ONLY!!!!\*\*\*\***
- ✓ Know what you are doing before you walk into lab.
- ✓ I will give you a copy of the procedures on the day of the lab.

## Disposal:

- ✓ Write all steps of how to dispose of chemical/waste.
- ✓ If none are listed, then leave space for teacher instructions on day of lab.

## Data & Observations Table:

- ✓ Copy all Data Tables. (Space things out—don't try to cram everything on one page)
- ✓ *If no Data tables: leave plenty of space to record data or make observations.*

## Calculations:

- ✓ Write down any calculation instructions/questions. (Leave about 5 lines between each calculation)
- ✓ For calculations, show all work and calculations.
  - Box your calculated answers.
  - Use correct significant digits and always include proper units.
  - Space things out—don't try to cram everything on one page.
- ✓ For graphs, use the whole page to make the graph.
  1. Use graph paper only!
  2. Title the graph
  3. Label all axes and include units.

## Analysis Questions:

- ✓ Before lab: Copy Questions & **HIGHLIGHT** them.  
(leave 4-5 lines in between each question so you can ANSWER them AFTER you perform the lab)
- ✓ After lab:

**This is the MOST IMPORTANT part of the report!**

**Think CRITICALLY about the questions, discuss with lab partners.**

**THEN reply to each question using your own thoughts and words.**

Submit completed LAB to lab tray by due date.

You need to be able to access my website  
(NRchemistry.com)  
so you can write your report.