

Chemistry Honors Lab Write-Up Guidelines:

ORDER IN LAB REPORT

1. **Your Name and Title of Lab**

2. **Pre-Lab Questions**

- Answer all pre-lab questions in complete sentences, unless otherwise told different.
- Do not include pre-lab question section for labs without pre-lab questions.

3. **Hypothesis**

- If-Then statement that uses aspects of the objectives and background to state “If we do this, then this will occur”. Must be specific for the lab.

4. **Data/Results Tables**

- Copy data tables as seen in lab.
- All data must be legible and all measurements must have the appropriate unit.
- Data tables can be scanned into final lab report.

5. **Calculations Section**

- Leave space for calculations. Look at lab to determine how many calculations will be required for the lab do determined amount of space (usually $\frac{1}{2}$ a page).
- Organize all calculations for credit and show calculations for all work even when repetitive.
- Do not include calculation section for labs without calculations.

6. **Graphs/Calculations Tables**

- Copy calculation tables if applicable. Write only the answers for the calculations with correct unit.
- Leave space to construct a line graph if applicable.
- **Graphs must include:**
 - i. Title graph
 - ii. x-axis : Constant variable (Ex. time)
 - iii. y-axis : Fluctuating variable (Ex. temp)

7. **Analysis or Post-Lab Questions**

- Answer all analysis or post-lab questions in complete sentences, unless otherwise told different.

8. **Conclusion**

- Summarize main materials and equipment/apparatus used in lab.
- Restate hypothesis and state whether you support or reject it.
- Use specific data from tables to demonstrate your position on hypothesis.
- Discuss overall confidence in lab. What did you do well and what could you improve?