CHEMISTRY

LAB WRITE-UP

Purpose: 1-2 sentences outlining the goal of the experiment.

Theory: A paragraph outlining the background knowledge and key concepts that your readers will need to understand in order to repeat your experiment. This is not a list. It is an informative summary written in the third person.

For example, during your lab you found the equivalence point of a neutralization reaction:

GOOD

For this experiment we are combining an acid, a chemical that donates a hydrogen atom in solution, with a base, a chemical that donates a hydroxide ion when in solution. This neutralization reaction will yield water and a salt. When an acid and a base are combined, their collective pH moves towards seven or neutral. The equivalence point is achieved when the moles of the acid matches up with the moles of the base. etc ...

NOT GOOD

These are the things you need to know:

- Acid
- Base
- Neutralization Reaction
- pH
- Equivalence Point

Materials: A list of all relevant tools and apparatus (no need to list chemicals)

Method: Outline your procedure (Write in 3rd person - Avoid "I, we, he, she")

Observations: All charts (including measurements), graphs and calculations

Analysis: Answers to any questions I have provided on the lab sheet

Conclusion: At least three sentences:

- Reference to the purpose
- Discussion of your numerical results
- Appropriate sources of error

(Admitting that you made a mistake is not a source of error

- "Johnny spilled some chemical" - Not good)

CHEMISTRY

LAB WRITE-UP

Peer Assessment

At the completion of each lab, group members will be asked to evaluate each other on the following criteria. These Peer Assessment marks will be tabulated throughout the year and applied to your lab marks at the end of the semester.

GROUP MEMBER PEER ASSESMENT

Group Members Name: _____ $\frac{\quad}{10}$

	None	Poor	Acceptable
1. Contribution to Experiment:	0	1	2
2. Contribution to Cleaning Up:	0	1	2
3. Contribution to the Lab Write-Up:	0	1	2
4. Contribution to the Calculations:	0	1	2
5. Overall impression of helpfulness to the group and the finished product:	0	1	2