**Pre-AP Formal Lab Report Requirements**

**Title of Lab**

**Date** (lab was performed)

**Your name, Lab partner(s) name(s)**

**Objectives** :  ***In your own words,*** describe the purpose of the lab. DO NOT SIMPLY COPY THE OBJECTIVES FROM THE BOOKLET.

*“The purpose of this lab was to…*

*The necessary materials were \_\_\_\_\_ which was used to \_\_\_\_\_, \_\_\_\_\_ which was used to \_\_\_\_\_, …”*

**Data/Graph:** Only data table 2 needs to be included, but you **must** include your titration curve.

**Calculations** : You do not need to show your work, just your answers. Answers should have units and should be clearly labeled so that it is clear what each calculation represents.

**Analysis / Error Analysis:**

Answer all analysis and error analysis questions from the lab procedure: **these should be two separate sections**. Number each question so they are easy to locate and **DO NOT copy the question** into your lab report before answering it! (The system will flag you for “copying” someone else’s work.)

**Conclusion:** This section is the most important part of your lab report, and should include ALL of the following:

* Thesis statement: intro to your paragraph that reminds the reader about the goal of the lab. (Hint: if you’re stuck, you can choose to summarize your objectives here. Do not just copy them down again.)

*The purpose of this lab was to…*

* Brief recap of lab procedure and data collection method. (DO NOT explain how to math. Just explain lab procedures.) NOT step-by-step: summarize in 2-4 sentences.

*This was accomplished by…*

* Explanation of your results. (Be specific: include data! But not all data. Summarize the highlights.) **Be sure to identify if you achieved the objectives you outlined in section 1.**

*We found that…*

* Identify how your results compare to the accepted value (**cite your calculated percent error**).

*The concentration of HCl was…*

*The experimental concentration of HCl was…*

*This led to a percent error of…*

* Reflection: identify what you learned from this lab, and how it connects to current Pre-AP chemistry content. How was the content you learned in this unit essential for understanding the lab?

*In order to complete this report, it was necessary to understand that…*

Concluding statement: wrap up your conclusion! This is **different** from your reflection. Tell me the most important points of the lab.

**References:**  If you’ve used any outside sources, create a reference list here. Follow formatting from your English class.

**Grading Hints:**

* Include the full heading (as shown at the top).
* Label all sections (objectives, analysis, etc).
* Write the **objectives** and **conclusions** sections in complete sentences.
* Use paragraphs (aka more than one) for the **conclusion** section.
* Do not capitalize chemicals names – they are NOT proper nouns (i.e. write “copper” not “Copper”).
* Use subscripts and superscripts when needed (i.e. write “Cr2O72-“ not “Cr2O7 2-“)
* Do not double-space: 1.5 or 1.15 spacing!

**Warning about Plagiarizing**:Just because you worked in the same lab group as someone else does NOT mean you are allowed to have identical (or similarly-worded) sections of your lab report. The ONLY sections that are allowed to be the same across a lab group are data/calculations tables. **YOU WILL RECEIVE A ZERO FOR YOUR LAB REPORT IF YOUR REPORT COMES UP AS A SUSPICIOUSLY HIGH MATCH WITH ANOTHER STUDENT (even if you completed the lab first).** Any work that is truly your own will show up as statistically different from all other students, and turnitin.com will show that!