**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 (do not copy the lab objectives)***, describe the purpose of the lab. Use complete sentences. You should answer two questions here:

* What was the goal of the lab?
* What experimental method did you use to accomplish this goal? (i.e. What were the materials? What were they used for?)

**Data**: This should be in the form of one or more **typed** data table(s). (Make sure your electron configurations use superscripts when appropriate!)

**Analysis:** Answer all analysis questions from the lab procedure. 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.)
* 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.
* 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.**
* When applicable, identify how your results compare to the accepted value (**cite your calculated percent error**).
* 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?
* Concluding statement: wrap up your conclusion! This is **different** from your reflection. Tell me the highlights 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!