Laboratory Write-Up Form

Lab reports must be written in third person using the Citrus Valley High School English department standards for writing.

Abstract: What is the main topic of this lab? Use the Background Information to answer preliminary questions. Depending on the lab, you may be asked to do preliminary research on your own before conducting your experiment. Your teacher may also have you prepare the procedure and data tables before conducting the lab.

Every report will contain the following:

Name, Title of Experiment and Date. Begin with an Abstract (3-5 sentences)

I. **Purpose and Hypothesis-** Using no more than two or three sentences, state the purpose of the experiment, and give your hypothesis. (Where appropriate, use an if/then format for stating the hypothesis).

II. **Procedure-** Depending on the lab, you may need to develop all or part of your procedure on your own.

III. **Data-** Organize your observations/data and present this information in the form of illustrations, drawings, graphs, tables and/or qualitative statements. All quantitative measurements must be labeled with units and descriptions.

IV. **Calculations-** Show all calculations used in the lab. If there are no calculations, write "none" in this section.

V. **Questions-** Answer any questions given in the lab or by the instructor here. No need to copy the questions but please restate the question.

VI. **Discussion of Error-** Discuss the effect of any sources of error for the data analyzed in this lab.

VII. **Conclusion-** Using your own words write a conclusion. The conclusion has the following basic format and should be 2 to 3 paragraphs long:

- **a.** Claim: Restate your hypothesis; was it correct or incorrect?
- **b.** Evidence: What evidence is there in your data to support or not support your hypothesis? This is very important, as it connects your results to the conclusion.
- **c.** Reasoning: How does your data support the scientific principle explored in this lab? This is a research section. Use your text as one reference and you will need one additional reference beyond the text and the notes.
- **d.** Connections to the Real World: Explain how your results are related to something in the real world or answer questions about this.
- **e.** Further Experiment: Give an idea for an experiment that tests this concept further. You may not describe the same experiment with different materials.