

Chemistry Lab Write Up Procedure

- I. **Title:** In the form "The Effect of _____ on _____"
- II. **Introduction:** (In paragraph form)
 - a. **Research question:** (rephrases the title) How will _____ effect _____?
 - b. **Background information** for the lab. (May be from text, lab handout, other resources)
 - c. **Hypothesis:** An educated prediction and explanation of the prediction. May be in "If _____ then _____" form. (This is why you gather background information on the topic)
- III. **Procedure:**
 - a. **Materials:** In list form, may contain sketches of unfamiliar equipment
 - b. **Safety precautions:** Note any safety precautions for the chemicals being used
 - c. **Procedure:** In paragraph form. Very specific and detailed. Note any changes or additions to the procedure that you make.
- IV. **Data:** Include "raw" data and "cleaned up" data (in the form of a graph or table). Include "class data" if applicable.
- V. **Analysis:**
 - a. Summarize the data so that it is easy to interpret. (In paragraph form)
 - b. Identify trends and key points.
- VI. **Conclusion:** (In paragraph form)
 - a. Was your hypothesis supported by the data? Why or why not?
 - b. Evaluation of the experiment
 - i. Limitations of procedure
 - ii. Sources of error
 - iii. Improvement to make the data more reliable (provide reasons)
 - iv. Further research ideas and reasons why these would be good ideas to test