

# Chemistry Lab Format & Grading Criteria

Mr. Bechard, 2013-2014

Nearly every lab we do will have a similar format. (I will let you know when we vary from that format.) Most labs will have the following sections: Problem/Purpose, Data/Observations, Summing Up/Calculations, and Conclusion. Not all labs will contain each section. Standard labs will be worth 20-30 points. You will need a small three ring binder to keep all of your complete and graded lab reports. We will complete some lab reports in large groups in class. When individual lab reports are assigned, you are responsible for your own, unique lab report. Collaboration is OK, identical responses ARE NOT! Zeros will be given to students who turn in labs that have been partially or completely copied.

**Heading/Problem: (2pts)** The problem is normally given to you at the beginning of the lab. It tells us the purpose of the lab, the problem we are trying to solve and/or questions we are trying to answer. You will need to refer back to the problem when writing the conclusion. *The lab title needs to be centered on top of the page, the problem written beneath the title, you and your partners name along with the period and date in the upper right corner.*

**Data/Observations: (2-5 pts)** Record information collected during experiment. To receive full credit: Observations are detailed and complete, data is organized, labeled, shows units, and is in a table, measurements are accurate and precise to the correct number of significant figures, work for calculated data is shown.

**Graphs: (5pts)** All graphs must be titled, have axis appropriately labeled with units, and have data plotted correctly.

**Summing Up: (2-10 pts)** This section contains specific questions that need to be answered. To receive full credit questions are answered correctly and in complete sentences. Data is used where necessary to support answers. (Calculations may also be a part of the summing up section.)

**Calculations:** To receive full credit, any formulas must be shown, all work is shown completely, answers are consistent with data collected, every number is labeled with correct units, and answers have units and the correct number of significant figures.

**Conclusion: (4-10 pts) Contains Two Parts: *Claim and Evidence/ Reasoning***

**Claim/Hypothesis:** A sentence that answers the question or problem posed in the lab.

**Evidence/Reasoning:** In this section, you should write a paragraph that explains how your data supports your claim. Specific examples from data need to be used. Do not re-write the procedure. I want to know your results and what you learned, not what you did to collect data.

**Organization/Neatness:** Your lab area must be clean and equipment put away after a lab is complete. All sections of lab reports are organized and neatly written. Information contained in report is easy to find. Mistakes are erased or "whited out".

**Missed Labs (Renews at each quarter.)**

-The first lab that you miss for an excused absence will not be made up; you will be given an excused for that lab. (It is your responsibility to tell the teacher to drop the score.) You cannot drop a zero that is the result of a skip or sweep.

-After the first missed lab, all others must be made up as soon as possible and before the unit test.

- If you do not miss a lab, you drop your lowest lab score for the quarter!