

# Chemistry Lab Reports

Name & Partners Names

Date

Lab #

Period & Day

## Title of the Lab

Choose a title that briefly and succinctly states the object of the lab activity

## Abstract

This is a short, concise section stated in your own words, describing the purpose and objectives of the laboratory activity, the major findings and what was deduced from them. Include any important questions, formulas and/or balanced equations that was studied in the lab. **DO NOT COPY THIS FROM THE LAB SHEET!!**

## Equipment Setup

This is an illustration or sketch of how the equipment was set up.

## Observations and Data

Briefly describe anything that happened in lab. Give specific details. Include all data in a neat, logical format. Tables and graphs must have titles, accurate information and must be completely labeled and well organized. All data values must have units and the correct number of significant figures.

## Calculations

Neatly show all calculations. If a particular calculation is done many times one example is sufficient. Report your answer to the proper number of significant figures. All values must be labeled with the correct units.

## Results

This is a summary statement about the data you collected, including all relevant trends, those that are obvious and those that require insight. For example:

I prepared 5.830 g of NaCl.

I determined the heat of solution of  $\text{CaCl}_2$  to be 1.560 cal/g with a % error of 2.025%.

## Discussion

This is your opportunity to describe how the lab went, explain problems, high % errors or low yields or to make comments.

## Questions

Answer all of the questions at the end of the lab sheet.

\* Note to student: This is a general outline to follow. Any given lab may not include all of the above aspects. If you are not sure what is needed, ask your instructor. Neatness, format, grammar, spelling and punctuation are all important. Reports may be hand written or word processed. In general keep them short and readable. Lab reports are due your following lab day, but may be turned in early. Reports that are late will receive lower grades. Consistently late labs will not be graded, but will be counted towards the 30 needed to take the regents exam. Unsatisfactory reports will be returned to the student. They should be corrected and returned to the instructor in a timely manner. Copying a lab report will result in a zero for all parties involved.