

Laboratory Report Guidelines  
Chem 2061  
Fall 2005

For each experiment unless told otherwise, you will write a formal laboratory report. Lab reports must be typed double-spaced and turned in at the start of lab one week after the experiment is complete.

Lab reports will normally be performed individually. We will do a few partner experiments in this course, however. You will do a group report for those.

It is acceptable to use ink to draw chemical structures in your lab report unless you're told otherwise. Please do familiarize yourself with ISIS/Draw, a free chemical structure drawing program. There is an ISIS/Draw tutorial which was part of our Chem 1062 class available at <http://webs.anokaramsey.edu/chemistry/Chem1062/Labs/WritingTools/>

The report will contain the following sections:

1. All prelab notebook information (converted to past-tense and passive voice) except the experimental outline
2. Experimental procedure as a *citation* only. Discuss any deviations from the book's procedure.
3. Product data table which contains mass, measured properties, and yield
4. Observations you noted while performing the experiment
5. A discussion of the experiment. Start by re-stating the original problem in the experiment. Then answer that question and show how you arrived at that conclusion. Make sure to write in past-tense and passive voice. Restate important conclusions such as yield. You should also include anything that may have contributed to a less-than-ideal result, and explain how you would do the experiment differently to improve your results if you were to do it again.
6. Answer any questions assigned.
7. State any additional sources you used for the report.