[**Title of Report**]

by

[Your name(s)]

Submitted to

[Your Technical TA's name]
[Your Writing TA's name]

[Course # and name]
Department of Chemical Engineering
Cockrell School of Engineering
The University of Texas at Austin

[semester, year]

[**Title of Report]**

Abstract

[Add the text of your abstract here in *one* paragraph. Do not indent the first line, and single-space the text. Your abstract should include the following information:

* purpose or principal objective(s) of the experiment
* methods employed
* quantitative results
* conclusions
* recommendations

Do not include illustrations. Make sure the abstract is self-contained and that it includes no information or conclusion not stated in the report. Length should be 150-250 words.

The focus of an abstract should be on the significance of your results. Write your Abstract *last*, as a synthesis of your work. Do not create your Abstract by going through your report and copy/pasting a sentence from each section. You may find it helpful to go to the UT Library website and look at some Abstracts in peer-reviewed academic journals. If you're not sure how to do this, ask a TA or a librarian.]

Contents

[NOTE: Check the page numbers LAST to make sure they conform to the placement of your major headings, tables, and figures.]

[Your title]

Introduction

[Begin with a sentence summarizing the purpose or objective of the experiment. Follow with a few sentences that provide an overview of the procedures you followed and the analytical methods used. Give the reader an idea of what to expect. Single-space the final version of the text and *indent each new paragraph*.]

Safety

[Please make a list of the experiment's hazards, including the conditions under which it could occur, the harm it could cause and the precautions taken to prevent or remediate it. Please be reasonable. For a puddle of water on the floor, slipping is a reasonable hazard; drowning is not.]

Methods

[**Briefly** describe the experimental apparatus. Please cite the lab manual (don't repeat it), and specify only modifications to the standard procedure. Give distinctive features and critical dimensions. Next, **briefly** describe the materials and procedures. What did you measure and how? Finally, include a **brief** discussion of the theoretical basis and equations of the experiment. In the Results section, you will compare your results to the theory, so prepare your reader for that discussion here.]

Sample Calculations

[(See the Writing Website's FAQs for how to handle numbers and equations.) Provide complete sample calculations that allow the reader to follow your analysis of the data. Please do not show sample calculations for common statistics like standard deviation or linear regression.]

Results

[Begin this section with an overview, summarizing your key results. Next, present your data in figures or tables. (See FAQs for instructions on preparing figures and tables.) Specify which data you are presenting, how you analyzed them, and what you concluded from your analysis. Compare your results to the theory, and discuss the implications. Remember to maintain consistency with the Methods section, and do not introduce new theory here.

Be sure to discuss this section with your TA to ensure that you understand the specific issues for each experiment. Be sure to put everything about a topic in one place, so the TA can easily find and credit your work. If the laboratory write-up includes questions for discussion, please provide your response to those questions with the appropriate topic in Results.]

Conclusions/Recommendations

[Summarize the most important conclusions you developed in Results. Your conclusion should not introduce new information. You are synthesizing information both for emphasis and for convenience to your reader.]

Appendix A

[Most of the time you will be able to present all of your data in the results section in figures and/or short tables. If your TA wants an extensive tabulation of raw data, put it in Appendix A. Single-space the text of the appendices.]

Appendix B

[Appendix B: any other supporting documentation for your report. Ask your TA, because this is rarely needed.]

References

[All sources cited in your text and appendices should be included in a list of references. You may use NoodleBib to generate your list of references according to APA style, but make sure to check the format against a current APA style guide such as Purdue OWL: https://owl.english.purdue.edu/owl/resource/560/05/.]