

Lab #9 Pre-Lab Report Concentration

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Notice of ADA Accommodation

I have an ADA accommodation to type out my pre-lab report when my disability flares up. This document is a utilization of that accommodation. This pre-lab will not be up to par with my usual work ethic. I am barely functioning following my kid sister's death last week. I'm trying.

1 Question One

What is the point of this lab? Define the chemical principles we are testing in your own words.

We are testing titration and concentration determination in this lab. By adding a titrant to the solution and measuring the known properties, we can determine the other solution's concentration using math. We are also testing the Beer-Lambert Law, which relates the absorbance of a solution to its molar absorptivity, concentration, and length of light passing through the solution.

2 Question Two

What is the logic of this lab? How do the procedures test the hypothesis that the chemical processes are correct?

This lab encourages students to interact hands-on with chemistry concepts to understand them better. The ability of students to perform lab tasks and chemical computations will also be tested. The procedures ensure that chemical processes are explored in a way that basic concentration concepts are evident.

3 Question Three

Where are potential problem points in the procedures? Where is it easy to make an error or have something just go wrong?

Not understanding titration or absorbance would cause issues with this lab. It is easy to make an error when doing math or taking measurements if you aren't careful.

4 Question Four

What are the health and safety hazards for this lab and how do we minimize them?

Handling chemicals and glassware are the only potential safety hazards, but following basic lab safety rules and the TA's instructions will mitigate risk.