

Solution Preparation Lab Reporting Worksheet

In science, reporting what has been done in a laboratory setting is incredibly important for communicating, replicating, and validating findings. However, writing scientific reports can be a little overwhelming. There are a set of agreed upon components that the scientific community requires when reporting scientific research. Answer the following questions to describe what occurred during the lab you conducted in Labster. Be sure to use complete sentences and descriptions that fully represent what you experienced. Writing a lab report is less about being correct or incorrect than it is accurately reporting what happened and why. So, do not worry about reporting data that might seem counterintuitive or unexpected. Focus on clearly communicating what you did and what you observed.

Write your answers on a new line.

- What was the title of the lab you completed?
Solution Preparation: From salt to solution

1. Topic

- What was the subject you were trying to understand better in the lab?
The topic that was being taught in the lab was on how to correctly create an aqueous solution of a salt using an analytical balance, a volumetric pipette, a volumetric flask, and a measuring cylinder.

2. Background Information

- What information from the textbook and classroom is relevant for the subject you were trying to gain a better understanding of in the lab? Identify the concepts and explain how they are related to the lab topic.

The book had several important pieces of information that helped me understand what was being discussed in this lab. "Molarity (M) is a useful concentration unit for many applications in chemistry. Molarity is defined as the number of moles of solute in exactly 1 liter (1 L) of the solution."(Flowers) This made me realize why molarity is important and how aqueous solutions play an important part in creating reactions.

Source:

Flowers, P., Theopold, K., Langley, R., Neth, E. J., & Robinson, W.R. (2019). Chemistry: Atoms first. (2nded.). OpenStax.

- During the lab, what information from the theory section provided additional background information about the subject? (To review the theory section, launch the lab and click the Theory tab on the top of the data pad). Identify the concepts and explain how they are related to the lab topic.

During the lab, information from the theory sections helped me correctly identify what equipment was needed for the lab and how you were required to correctly utilize them. I read about volumetric flasks from the theory section which allowed me to correctly select what type of flask was needed for creating the aqueous solution in the virtual lab.

Preparation Of Solutions Lab Report

Yicheng Fang



Preparation Of Solutions Lab Report:

Unveiling the Magic of Words: A Overview of "**Preparation Of Solutions Lab Report**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Preparation Of Solutions Lab Report**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve in to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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