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Experiment Goal

Preparing a solution of known concentration

Preparing a solution is something that is very critical to many applications in science, medicine, cooking, engine maintenance, and other fields. Particularly in chemistry, solutions are made using the concentration concept of molarity. You will go through the different concepts related making a solution, and go through a step by step use of calculating molarity.

Terms you will need to know for the experiment

Atomic Weight

Molecular Weight

Mole

Molarity

Volume

Concentration

Concepts you will learn

What is a mole?

What is molarity?

Why are volume and concentration important to making a solution?

Skills you will learn

How to determine molecular weight

How to weigh material

How to calculate molarity

How to work with volumetric flasks