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Experiment Goal
Generating and Using a Calibration Graph

Calibration Graphs are used to determine many things. In this experiment you are using a calibration graph to relate absorbance and concentration. They are used in many fields to relate a quantity with something you can physically measure. In the lab, you will prepare standards of a known concentration, and plot a calibration graph. You will then use that graph to figure out the concentration of an unknown sample.

Terms you will need to know for the experiment

Dillution
Linear
Straight Line
Line of Best Fit
Absorbance
Concentration

Unknown

Concepts you will learn

What is a dilution factor?
What is a line of best fit?
What is a calibration graph and how do you use it?

Skills you will learn

How to dilute samples
How to generate and plot a calibration graph
How to work with the calibration graph to be able to determine an unknown