

Additional Volume

Concepts

Explanation:

The concept behind this lab is that when an acid and base are combined they react to form water. Meaning that the volumes of acid and base become volume of acid + acid of base + water created. This quickly becomes measurable amounts as 1 mole of water at a density of 1 is roughly 18 mL of water.

Sources:

If you have other explanations, concepts, or ideas for this demonstration please share them by contacting our Chem Demo team (bedell@nku.edu; sieveb1@nku.edu). We will pass them on to the community and credit you with the ideas.