



Prep Instructions

Preparing the Sodium Hydroxide Solution

CAUTION - SODIUM HYDROXIDE IS VERY CAUSTIC

When preparing the sodium hydroxide solution, be sure to wear gloves, a lab coat and a pair of safety goggles.

The following items will be required for this activity:

- scoopula
- water
- analytical balance
- large container or beaker capable of holding 500 mL
- stirring rod
- 50 mL graduated cylinder
- sodium hydroxide pellets

Step 1

Using a scoopula, weigh out 14 g of sodium hydroxide multiplied by the number of groups. For example, if there are 15 groups, weigh out 14 g sodium hydroxide x 15, giving a total of 210 g.

Step 2

Using a 50 mL graduated cylinder, weigh out 28 mL of water multiplied by the number of groups. For example, if there are 15 groups, measure out 28 mL of water x 15, giving a total of 420 mL. Place this water into a beaker.

Step 3

Add the solid sodium hydroxide to the water measured out in Step 2. Using a stirring rod, mix the water and sodium hydroxide until all the sodium hydroxide is dissolved.