ACTIVITY REPORT

TITLE OF EXPERIMENT:

TITRATION OF HCL AGAINST NAOH

INTRODUCTION:

This is an experiment to *titrate Hydrocloric Acid (HCl) against Sodium Hydroxide (NaOH) through the neutralisation reaction.*

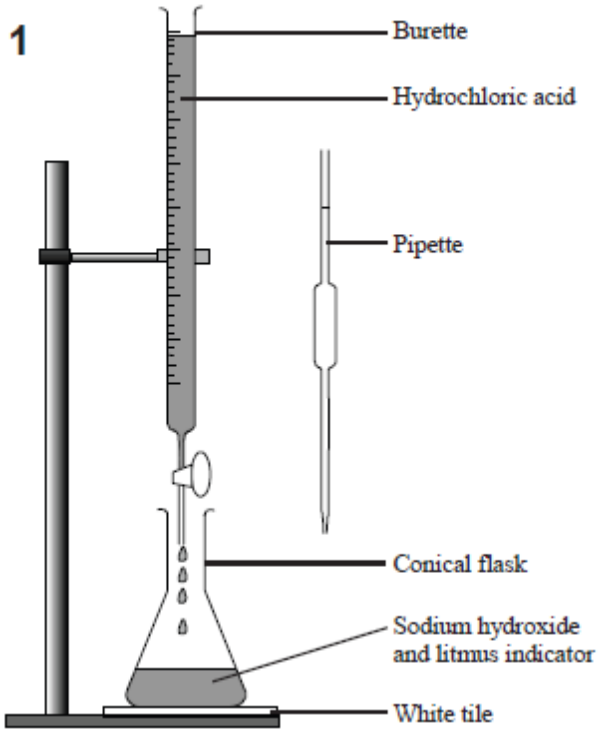
OBJECTIVE:

This experiment aims to *discover what exact volume of an acid is needed to just neutralise a certain volume of an alkali.*

MATERIALS AND APPARATUS USED:

Diagram

1



METHOD:

1) *Use the pipette to measure 20 ml of Sodium Hydroxide solution into the conical flask.*
2) *Add 4 drops of Litmus indicator solution to the conical flask.*
3) *Fill the burette with hydrochloric acid and slowly add the acid to the alkali.*
4) *Stop adding acid when the solution in the flask just begins to turn red. Record the volume of acid.*
5) *Repeat the experiment, and then average the two volumes of acid needed for neutralisation.*

RESULTS:

Titration number	1	2	Average value
Volume of acid added (ml)			

CONCLUSIONS:

Modified from Students Laboratory Notebook.