

Name of Experiment: Fountain Experiment

Principle: Haber process

Materials: Liqueur ammonia

RB flask

One holed cork, Jet tube

Water and phenolphthalein mixture

Wet cotton.

Procedure: Collect ammonia gas in RB flask.

Affix the jet tube and one holed cork inside the flask. Dip the jet tube into water and phenolphthalein mixture.

Observation: Water starts to enter the flask and colour changes to pink.

Conclusion: $\text{NH}_3 + \text{H}_2\text{O} \rightarrow \text{NH}_4\text{OH}$