

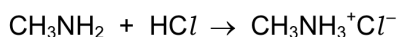
Unit 19: Nitrogen compounds

Subunit 19.1: Primary amines

Topical Question No: 1

- 19 Methylamine, CH_3NH_2 , has very similar chemical properties to ammonia, NH_3 .

Methylamine reacts with hydrogen chloride to form a white crystalline salt, methylammonium chloride.



A sample of methylammonium chloride is heated with aqueous sodium hydroxide.

What are the products?

- A ammonia, sodium chloride and water
- B ammonia, sodium hydrogencarbonate and sodium chloride
- C methylamine, hydrogen chloride and water
- D methylamine, sodium chloride and water

Topical Question No: 2

- 19 Which reagent, when mixed and heated with ammonium sulfate, liberates ammonia?

- A aqueous bromine
- B dilute hydrochloric acid
- C limewater
- D potassium dichromate(VI) in acidic solution

Answer Key

1. Error
2. Error