



AMINES (A)

- 1 Dimethylamine or ethylamine are structural isomers. Which is the stronger base? Explain your answer.

dimethylamine is the stronger base

dimethylamine is 2^y amine, ethylamine is 1^y amine

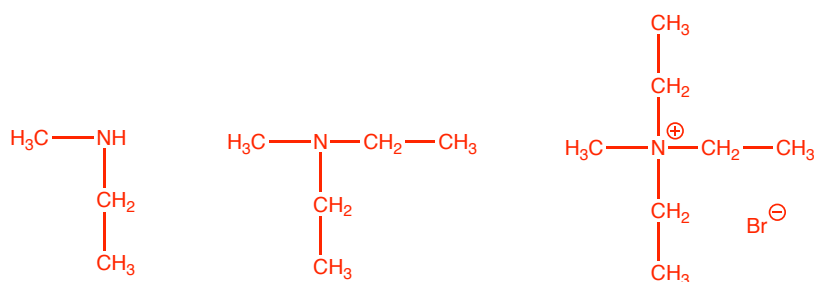
dimethylamine has greater electron density on N lone pair

dimethylamine accepts H⁺ more easily

- 2 Write a balanced equation for the reaction of methylamine with hydrochloric acid.



- 3 Give the organic products of the reaction of methylamine with bromoethane.



- 4 Name and outline the mechanism for the formation of N-methyl-N-propylamine from the reaction of propylamine with chloromethane.

