

34 Primary and secondary amines — Part 1 — Answers

Answers

Work through these after trying the questions yourself.

34.1 $-\text{NH}_2$.

34.2 Two.

34.3 Ammonia (NH_3).

34.4 LiAlH_4 (or H_2/Ni).

34.5 The nitrogen.

34.6 The chain is lengthened at the *first* step: KCN replaces the halogen and joins on through its own carbon, making the nitrile one carbon longer. The reduction step then just turns $-\text{C}\equiv\text{N}$ into $-\text{CH}_2\text{NH}_2$, keeping the same number of carbons.