

34 Primary and secondary amines – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

34.1 —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 —C N into —CH NH , keeping the same number of carbons.