

36 A map of A-Level reactions — Part 2 — Answers

Answers

Work through these after trying the questions yourself.

36.6 Nitrobenzene.

36.7 Phenylamine.

36.8 An acyl chloride.

36.9 An ester.

36.10 Electrophilic substitution.

36.11 Step 1: nitrate benzene with concentrated HNO_3 and $\text{H}_2\text{SO}_4 \rightarrow$ nitrobenzene.
Step 2: reduce the nitrobenzene with tin (Sn) and concentrated $\text{HCl} \rightarrow$ phenylamine.