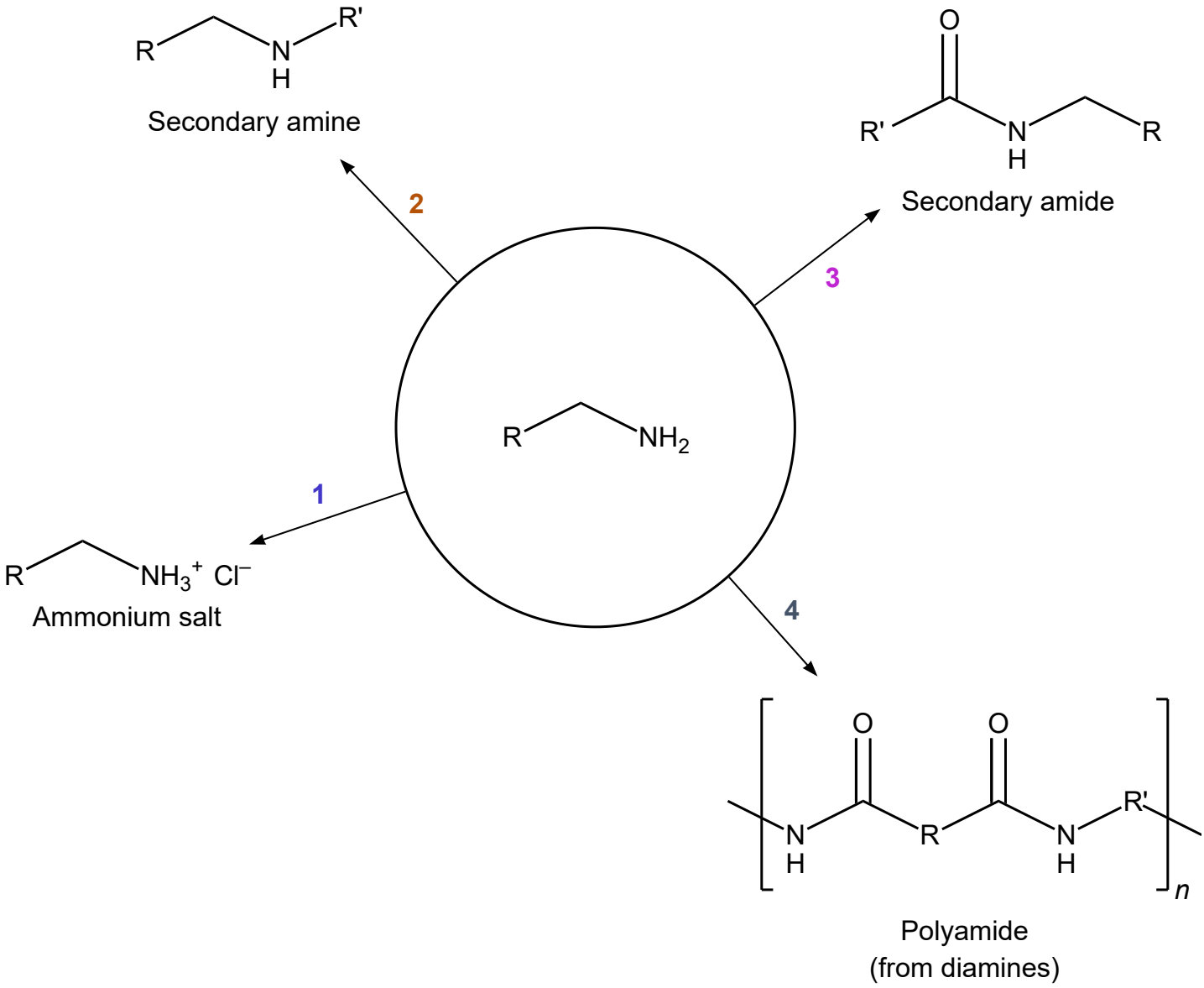
Amines Map

OCR A Level Chemistry A · 6.2.1 Amines



1 acid-base: dilute HCl(aq), room temperature

2 substitution: haloalkane, R'X, heat in ethanol

3 addition-elimination: acyl chloride, R'COCl, room temperature

4 polymerisation (condensation): dicarboxylic acid or dioyl chloride

Amines are bases: the N lone pair accepts a proton.

Made from haloalkanes + excess ethanolic NH_3, nitriles (H_2/Ni), or nitroarenes (Sn + conc. HCl) for aromatic amines.

acid-base · substitution · addition-elimination · polymerisation

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