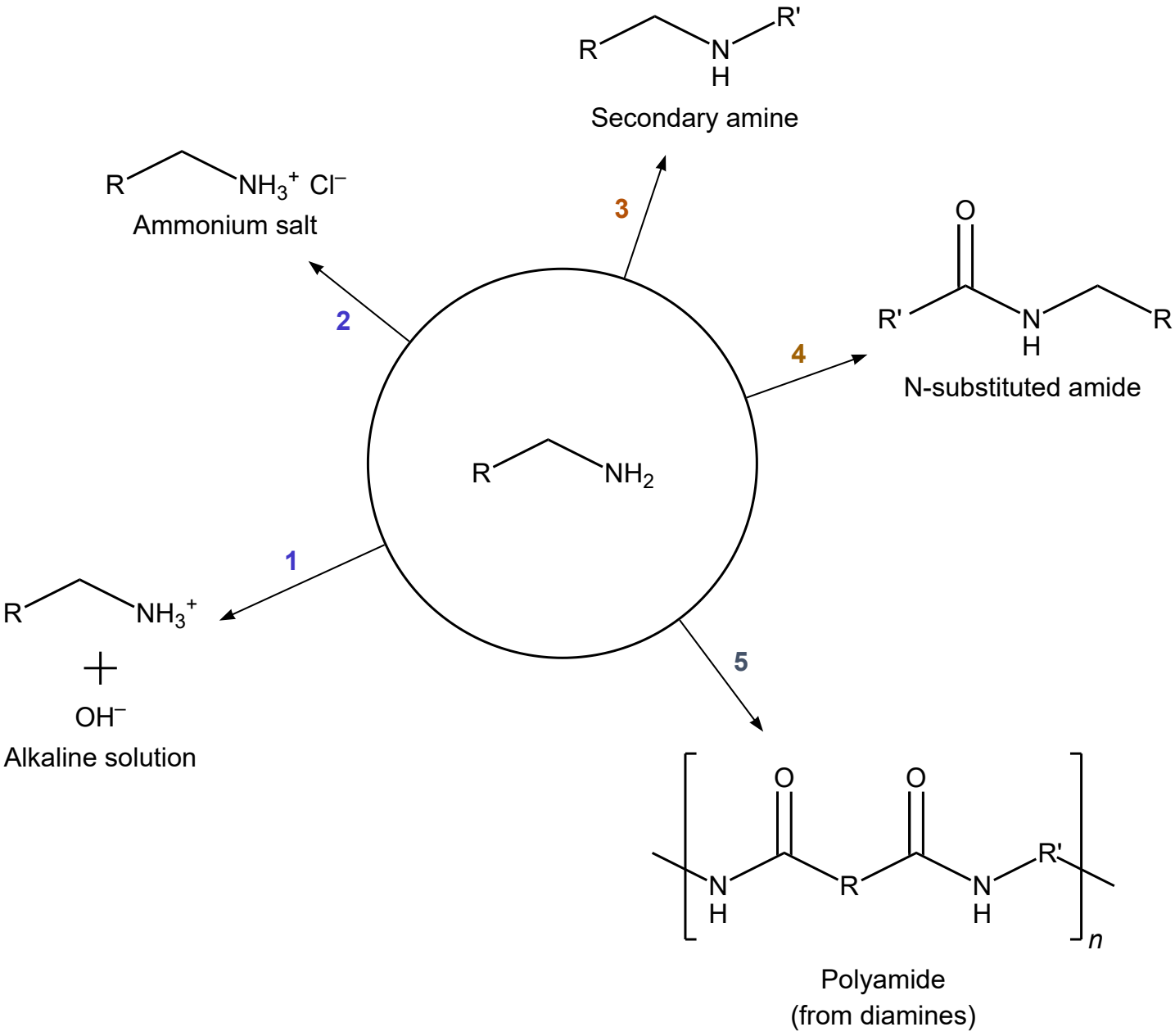
Amines Map

Cambridge International AS & A Level Chemistry · Topic 34 Nitrogen compounds



1 acid-base: water, room temperature

2 acid-base: HCl(aq), room temperature

3 substitution: halogenoalkane, R'X, in ethanol, heat in a sealed tube

4 condensation (addition-elimination): acyl chloride, R'COCl, room temperature

5 polymerisation (condensation): dicarboxylic acid or dioyl chloride

Base strength: ethylamine > ammonia > phenylamine.

Made from halogenoalkanes + NH_3 (ethanol, pressure) or by reducing nitriles or amides with $LiAlH_4$.

acid-base substitution condensation polymerisation

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