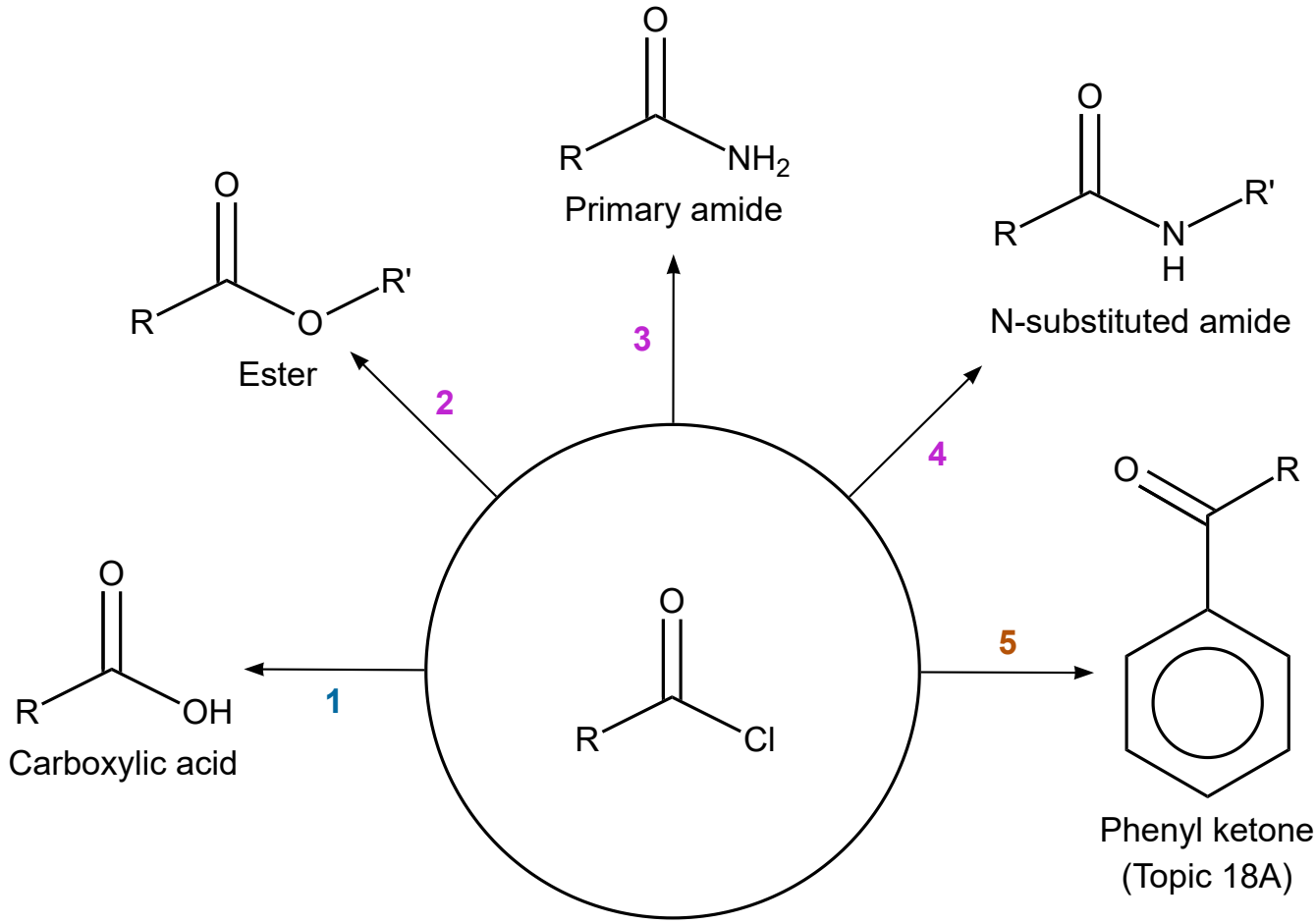
Acyl Chlorides Map

Edexcel A Level Chemistry · Topic 17C Carboxylic acids



1 hydrolysis: water, room temperature; misty fumes of HCl

2 addition-elimination: alcohol, R'OH, room temperature

3 addition-elimination: concentrated NH_3, room temperature

4 addition-elimination: primary amine, R'NH_2, room temperature

5 substitution (Friedel–Crafts): benzene, $AlCl_3$ catalyst, anhydrous, warm (acylation)

Every reaction releases HCl (misty fumes in moist air).
Made from carboxylic acids with PCl_5.

hydrolysis addition-elimination substitution

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