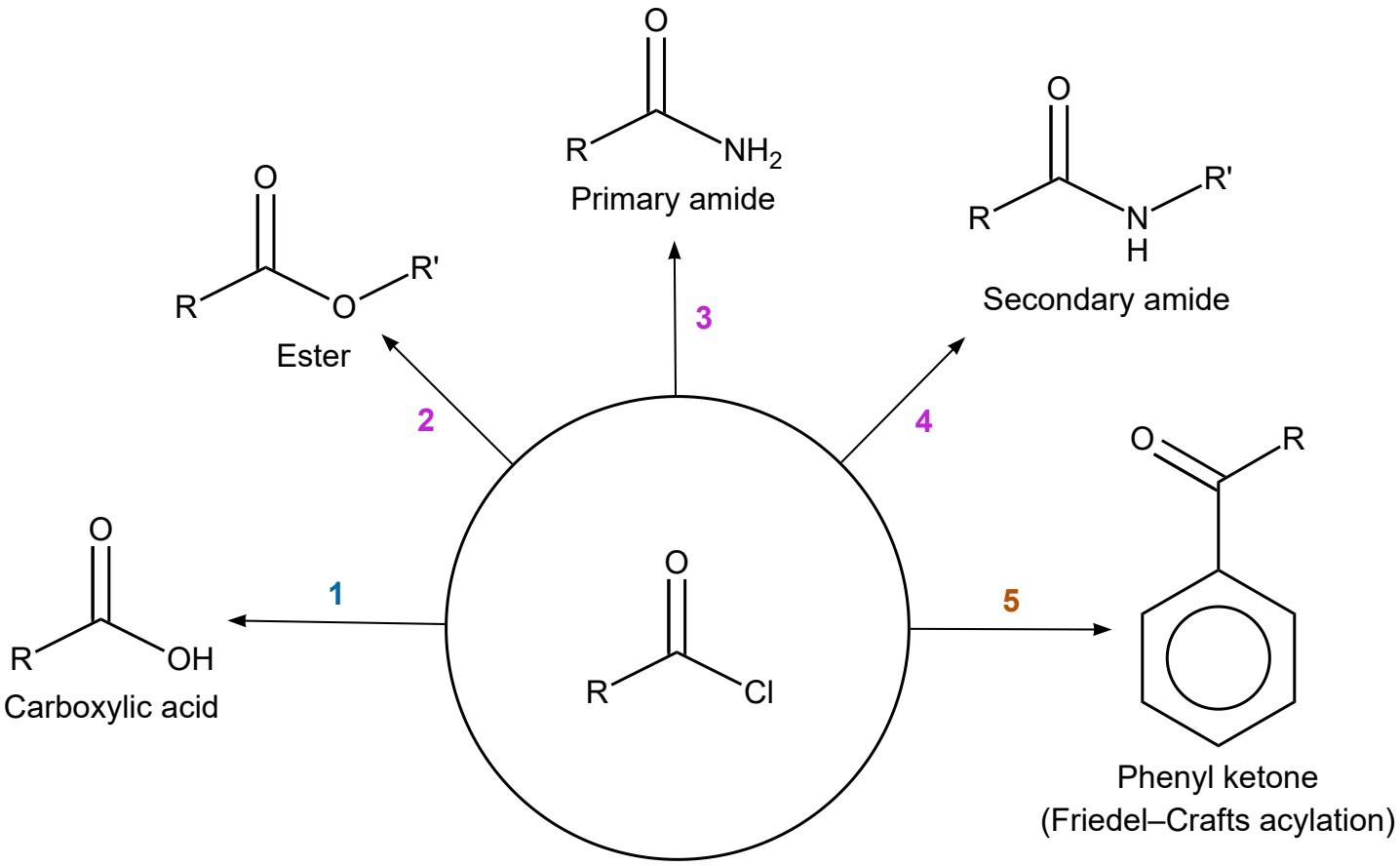
Acyl Chlorides Map

OCR A Level Chemistry A · 6.1.3 Carboxylic acids and esters



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

2 **addition-elimination**: alcohol or phenol, room temperature

3 **addition-elimination**: ammonia, room temperature

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

5 **substitution (electrophilic)**: benzene, halogen carrier ($AlCl_3$), anhydrous

Made from carboxylic acids with $SOCl_2$.
Acid anhydrides also esterify alcohols (6.1.3(c)(ii)).

hydrolysis addition-elimination substitution

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