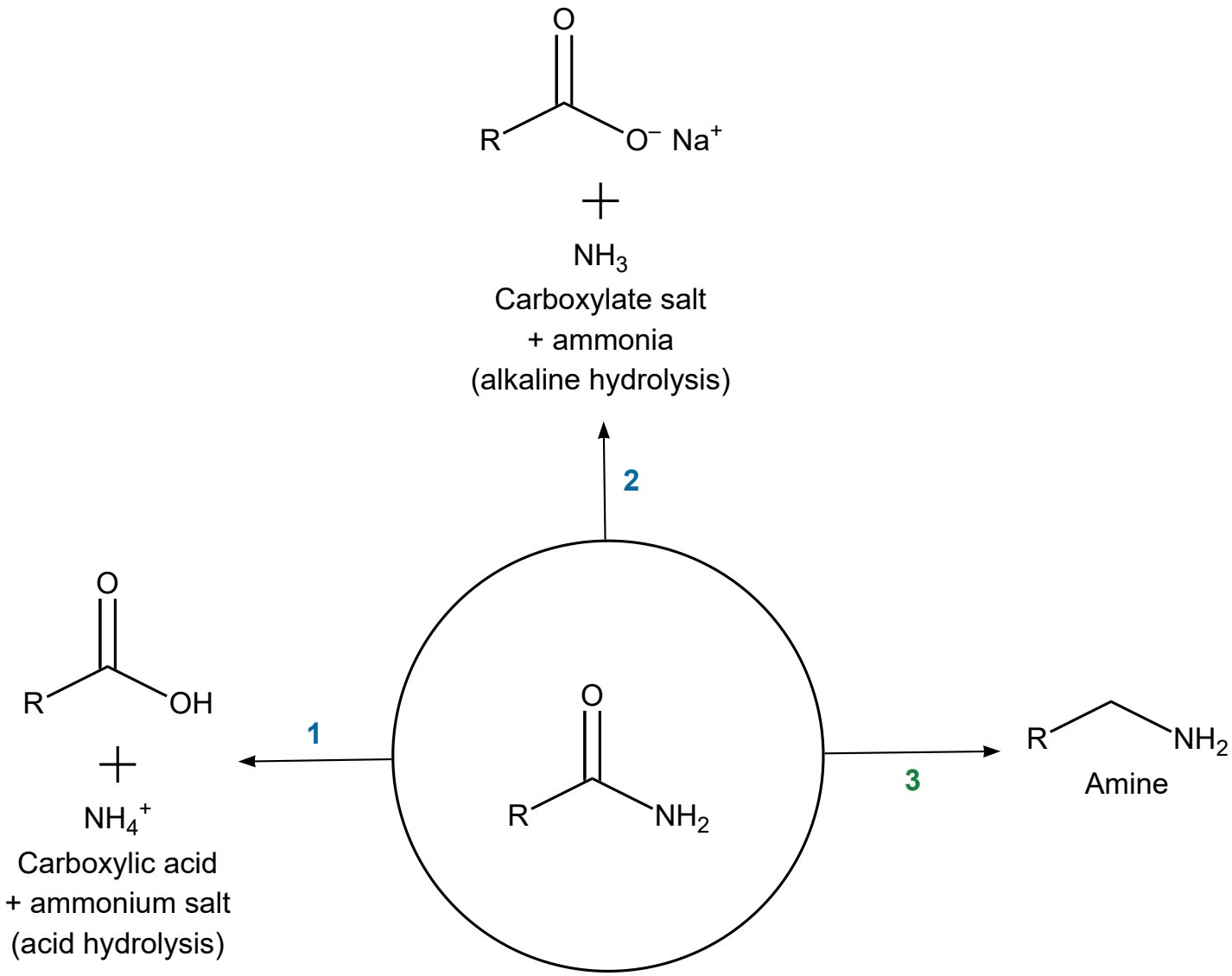
Amides Map

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



1 **hydrolysis**: aqueous acid, e.g. HCl(aq), heat under reflux

2 **hydrolysis**: aqueous alkali, NaOH(aq), heat under reflux

3 **reduction**: [H]; $LiAlH_4$, dry ether

Amides are much weaker bases than amines: the N lone pair is delocalised onto the C=O.

hydrolysis reduction

Online Learning System · onlinelearningsystem.net · © 2026 Online Learning System. All rights reserved. Not for redistribution.