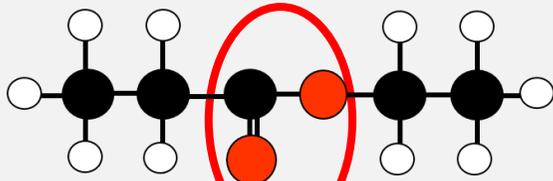


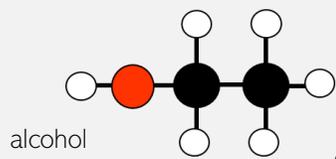
# Summary of Acid and Base Hydrolysis



## Ester

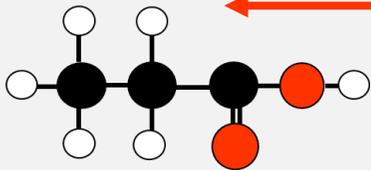


Ester link

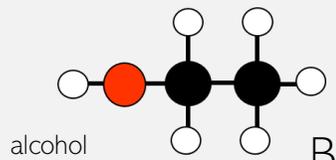


alcohol

Acid

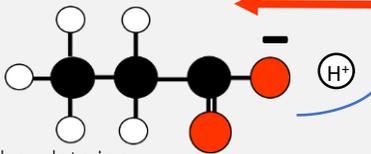


carboxylic acid



alcohol

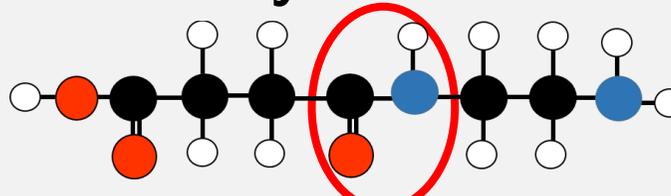
Base



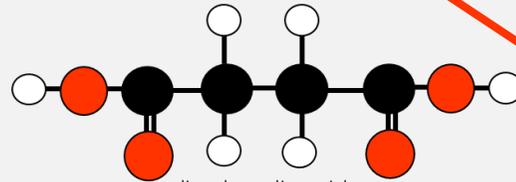
carboxylate ion

Hydrolysis

## Polyamide

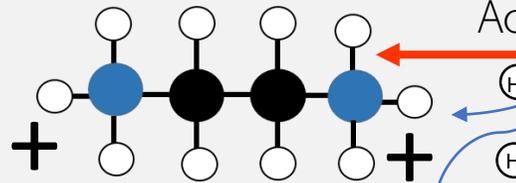


Amide link

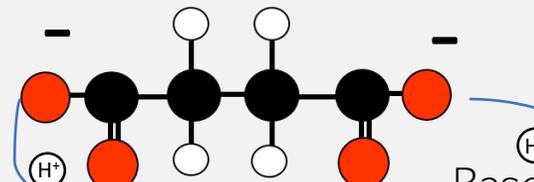


dicarboxylic acid

Acid

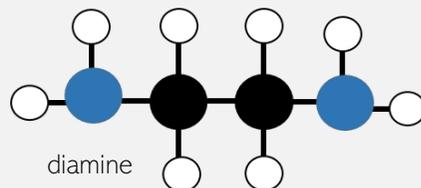


diammonium ion



dicarboxylate ion

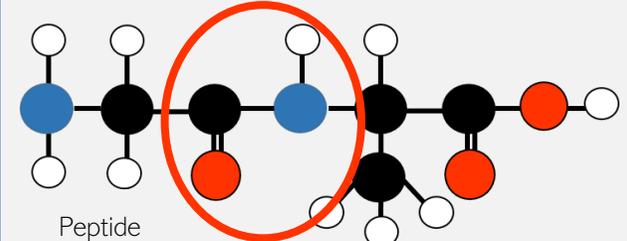
Base



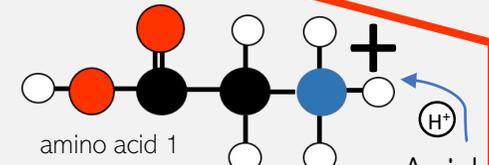
diamine

Hydrolysis

## Dipeptide

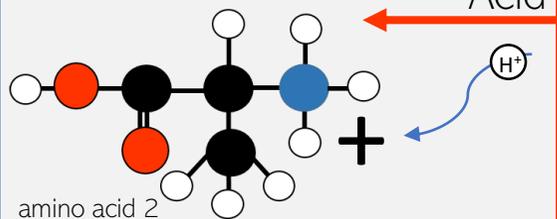


Peptide (amide) link

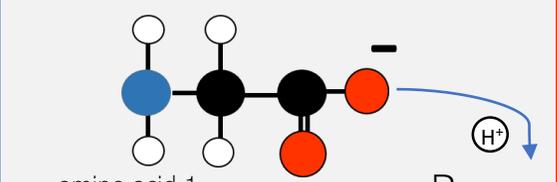


amino acid 1

Acid

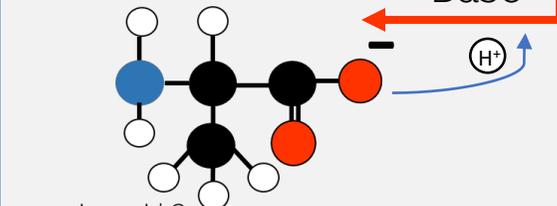


amino acid 2



amino acid 1

Base



amino acid 2

Hydrolysis