

CHEMISTRY

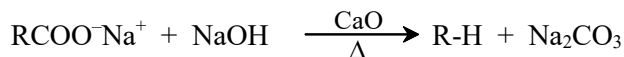
Live eBook



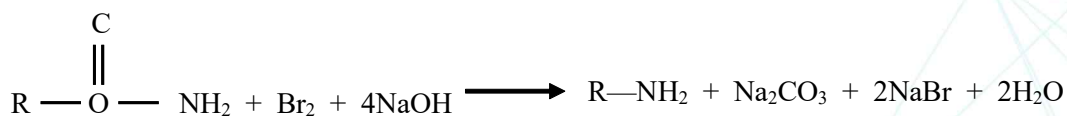
Important Named Reactions and Related Conversions

01. Named Reactions

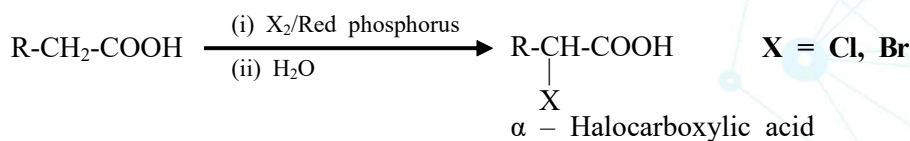
(a) By decarboxylation of carboxylic acids :



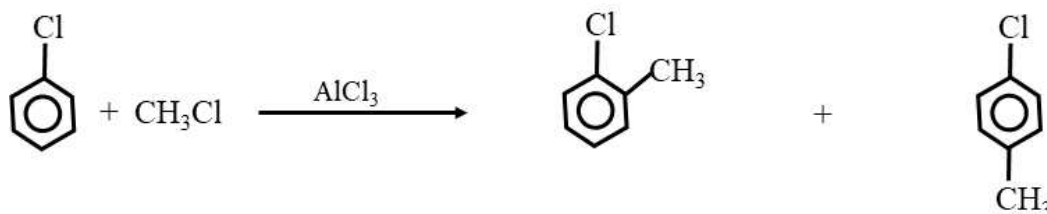
(b) Hoffmann bromamide degradation reaction



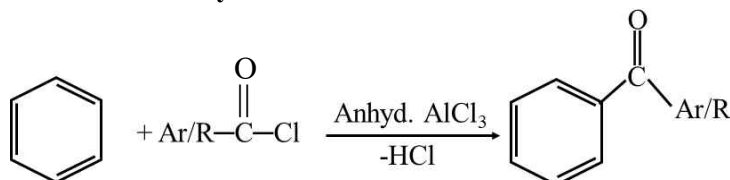
(c) Hell-Volhard-Zelinsky reaction.



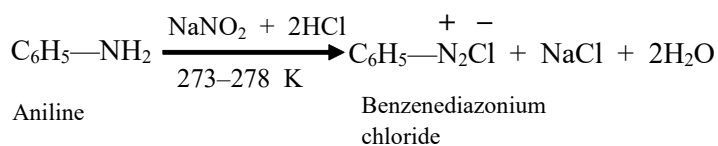
(d) Friedel Craft Alkylation :



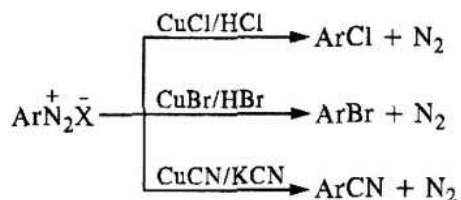
(e) Friedel Craft Acylation :



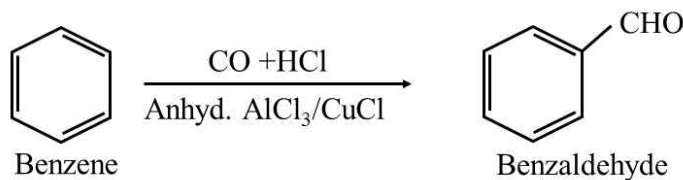
(f) Diazotization Reaction



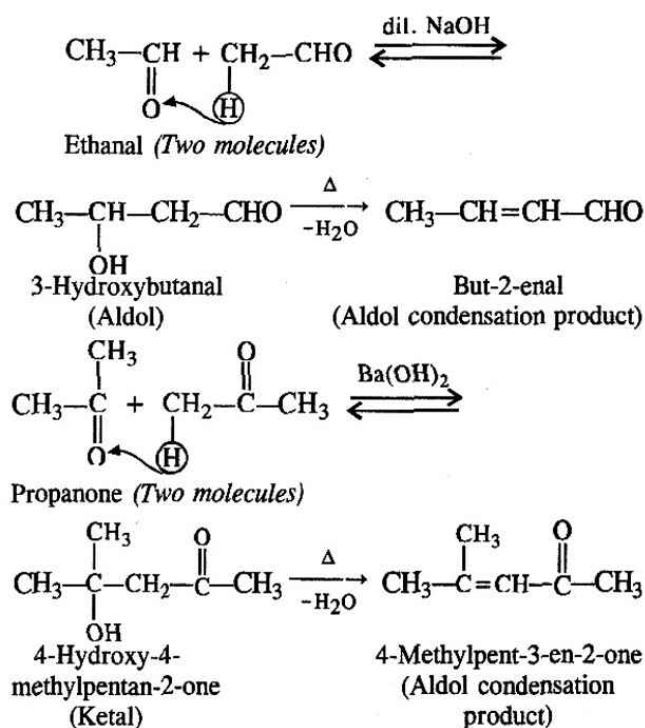
(g) Sandmeyer Reaction



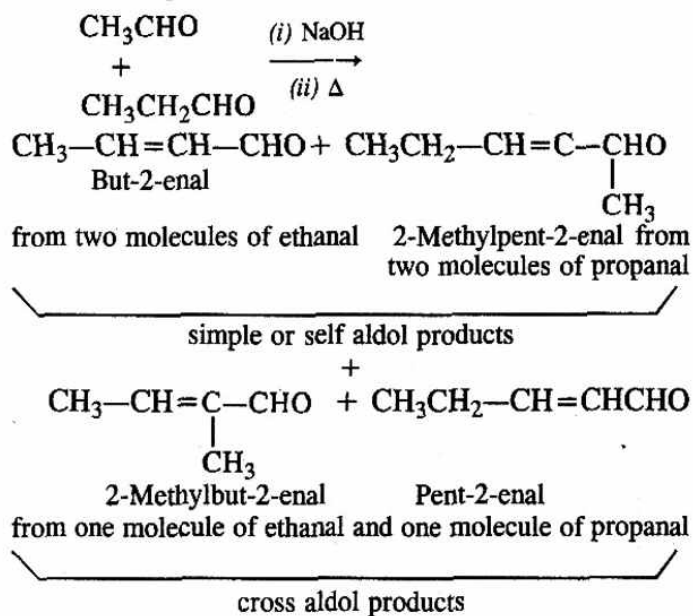
(h) Gatterman-Koch reaction :



(i) Aldol Condensation

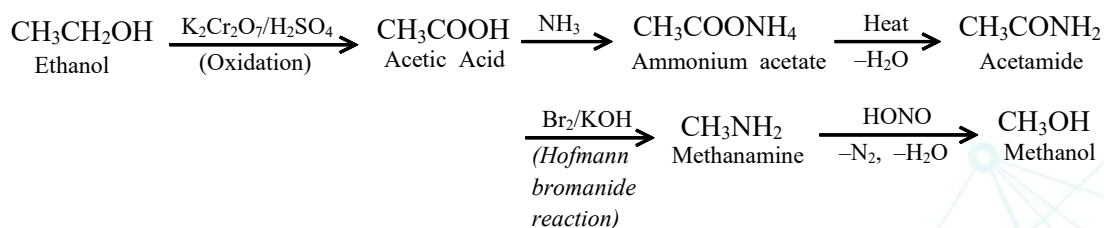


(j) Cross Aldol Condensation

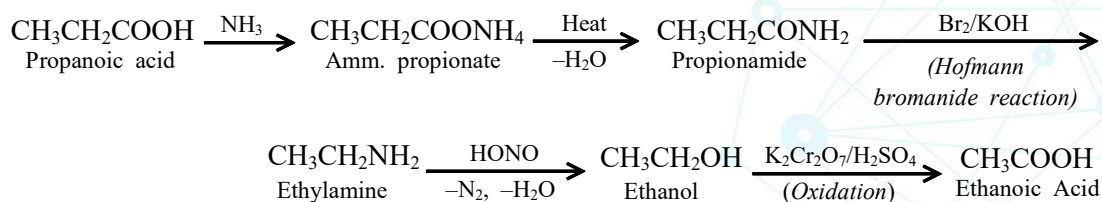


02. Related Conversions

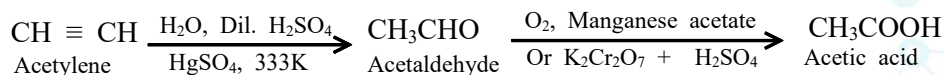
(a) Ethanol into methanol or Ethyl alcohol to methyl alcohol



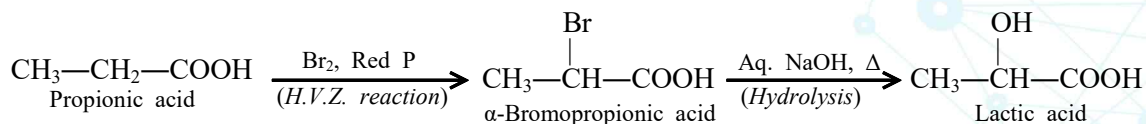
(b) Propanoic acid to ethanoic acid (Propionic acid to acetic acid)



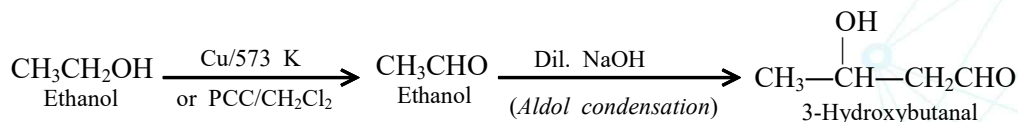
(c) Acetic into acetic acid



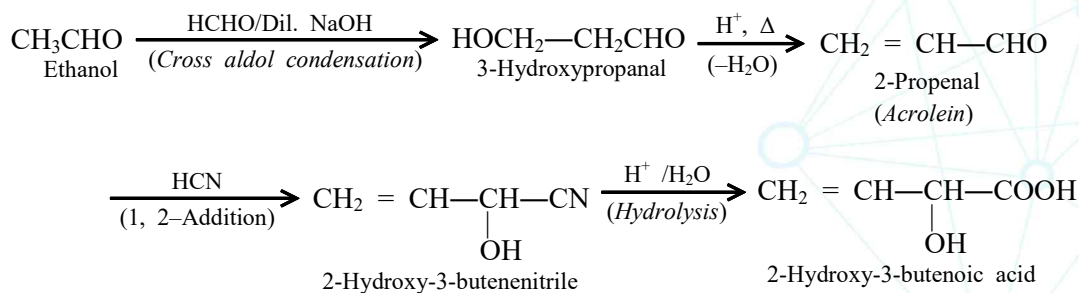
(d) Propionic acid to lactic acid



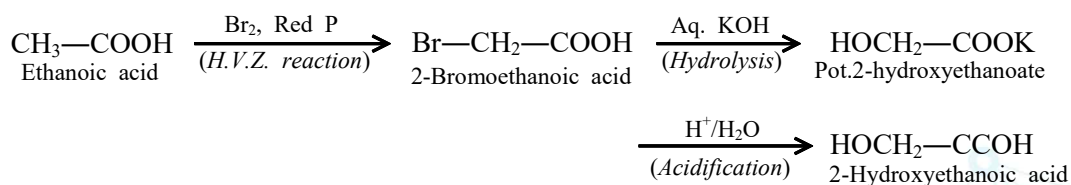
(e) Ethanol to 3-hydroxybutanal



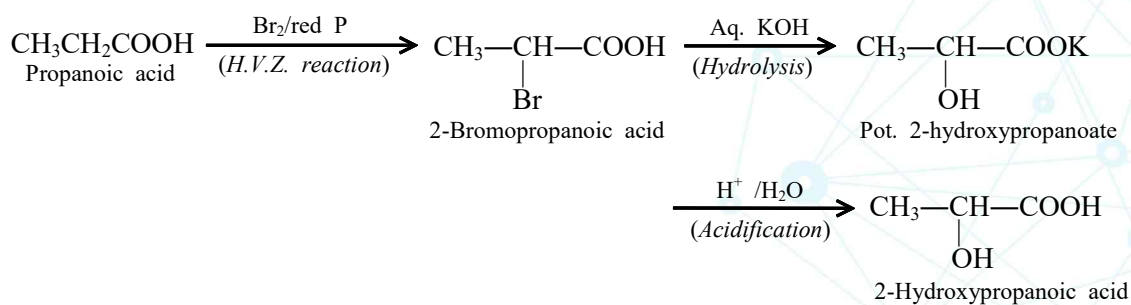
(f) Ethanol to 2-hydroxy-3-butenic acid



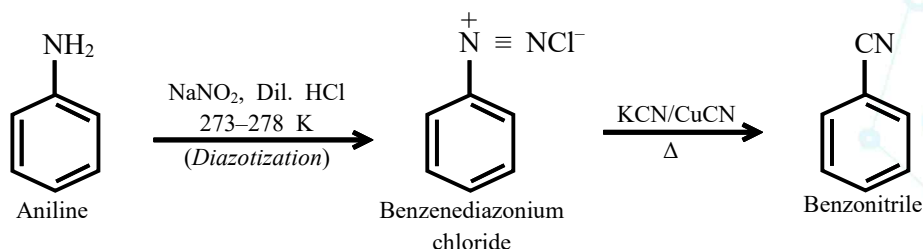
(g) Ethanoic acid to 2-hydroxyethanoic acid



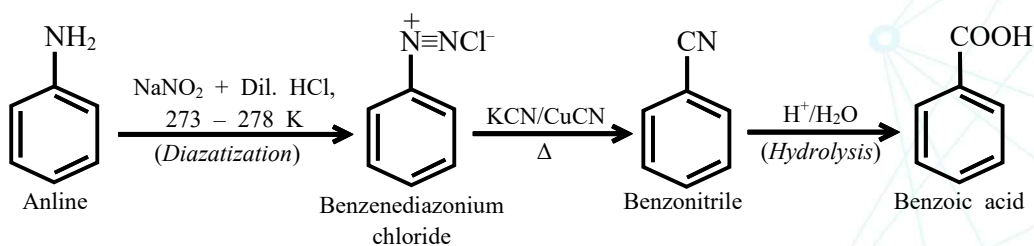
(h) Propanoic acid to 2-hydroxypropanoic acid



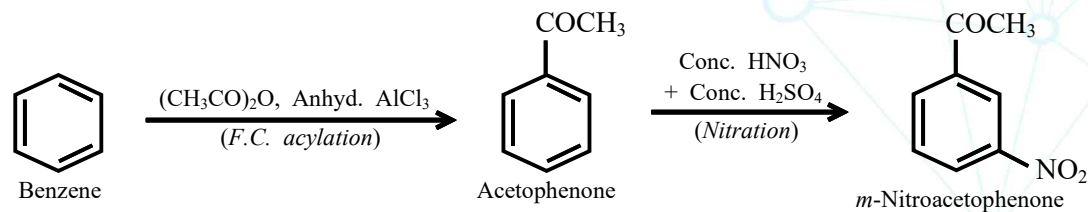
(i) Aniline to benzonitrile or cyanobenzene



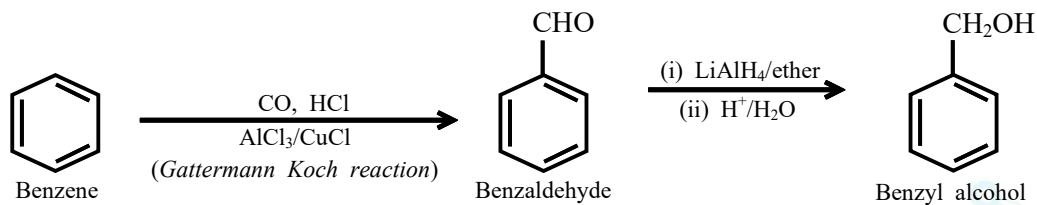
(j) Benzoic acid from aniline or Aniline to benzoic acid



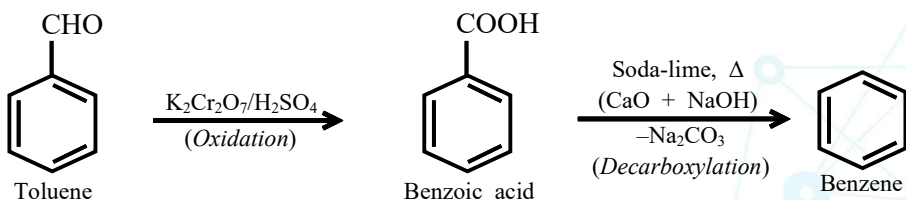
(k) Benzene to *m*-nitroacetophenone



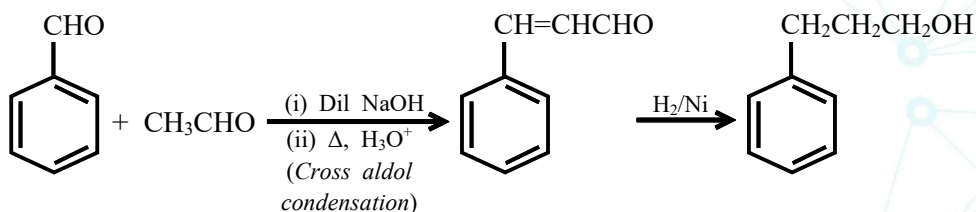
(l) Benzene to Benzyl alcohol



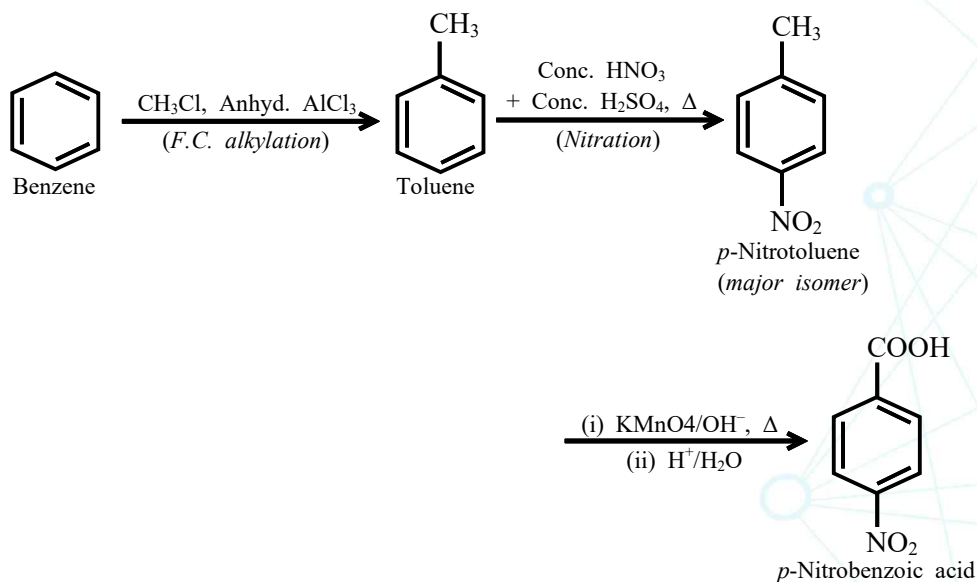
(m) Benzaldehyde to benzene



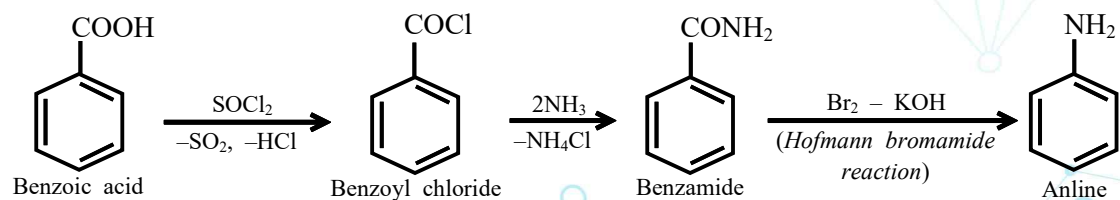
(n) Benzaldehyde to 3-phenylpropan-1-ol



(o) Benzene to *p*-nitrobenzoic acid



(p) Benzoic acid to aniline



(q) 4-Nitroaniline to 1, 2, 3-tribromobenzene

