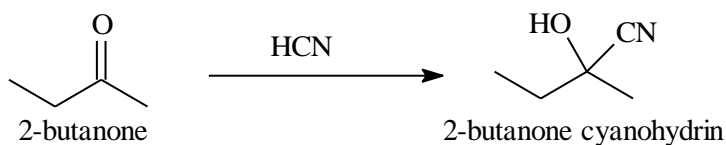
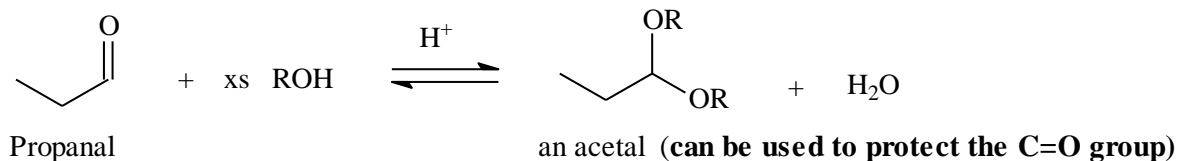


Aldehyde and Ketone Reaction Summary

1) Cyanohydrin formation – reaction of a carbonyl carbon with HCN

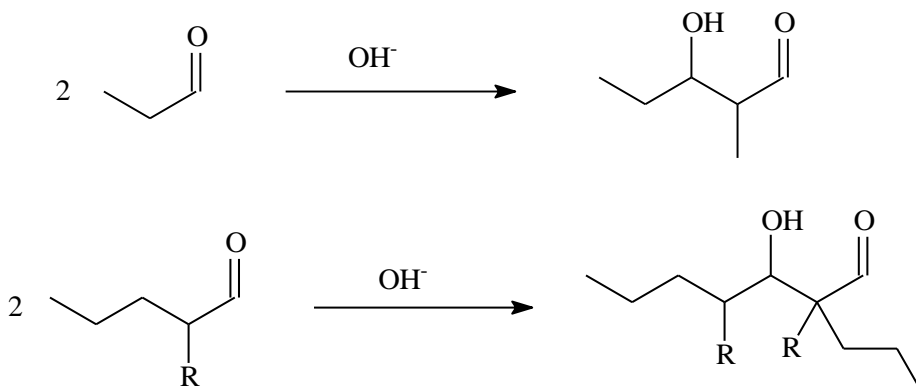


2) Acetal formation – equilibrium reaction of an aldehyde with an alcohol with H^+ catalyst

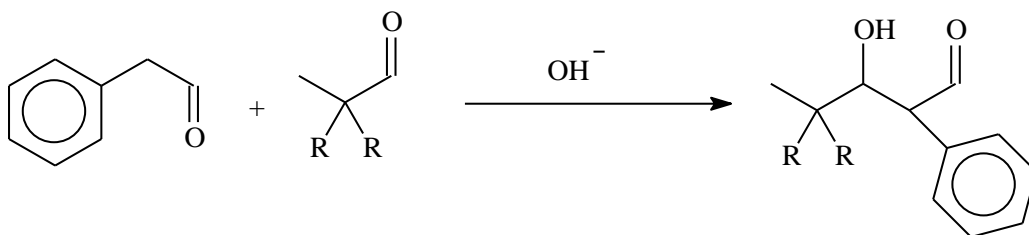


** to reverse the acetal equilibrium, add xs H_2O to the system **

3) Aldol condensation – need an α H and OH^- ; product is a β -hydroxyaldehyde



Mixed aldol – only 1 of the aldehydes can have an α H



4) Cleavage reactions of alkenes – ozonolysis

