

CHEMISTRY STUDY MATERIALS FOR CLASS 12

(NCERT Based Key Points of Chapter - 11)

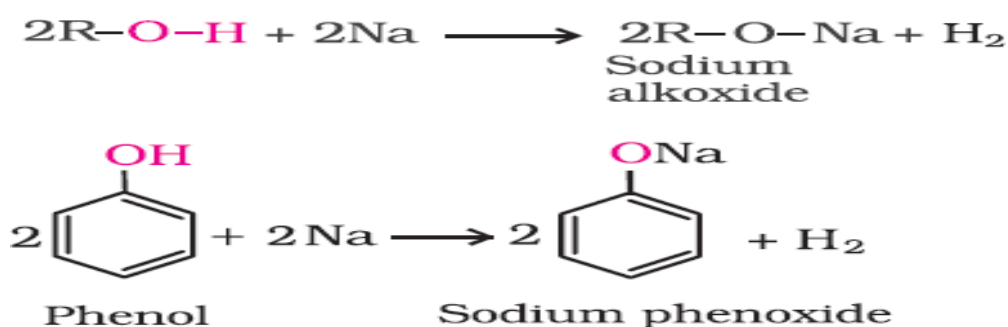
GANESH KUMAR

DATE:- 11/10/2020

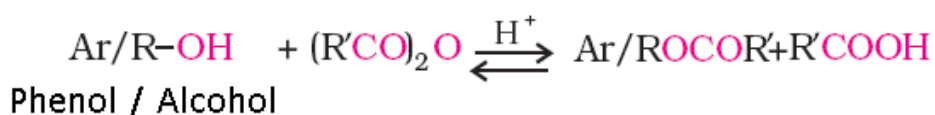
Alcohols, Phenols and Ethers

1. Reactions of alcohols and phenols involving cleavage of O-H bond:

a. Reaction with metals:

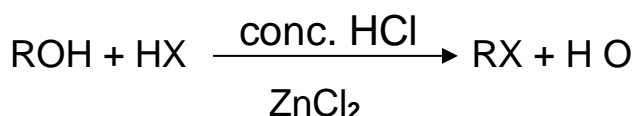


b. Esterification:



2. Reactions of alcohols involving cleavage of carbon – oxygen (C-O) bond:

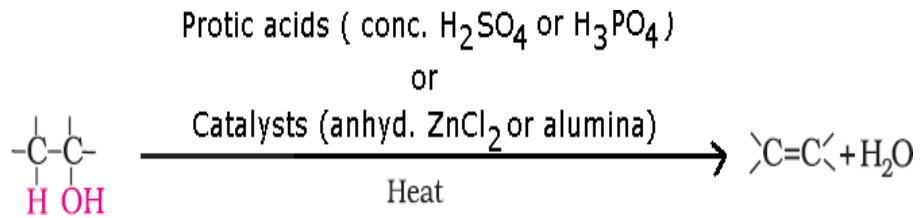
a. Reaction with hydrogen halides: (Lucas reagent-Conc. HCl + ZnCl₂)



b. Reaction with phosphorus trihalides:



c. Dehydration:



Chemical properties of phenols:

