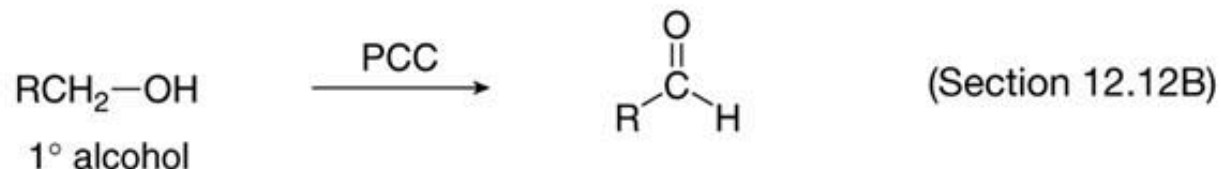
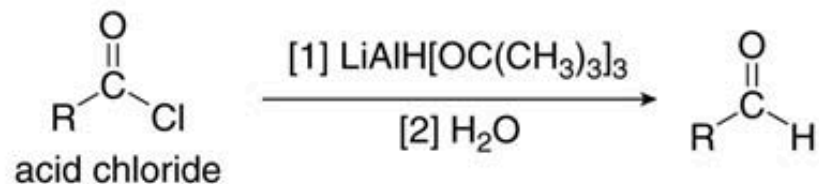
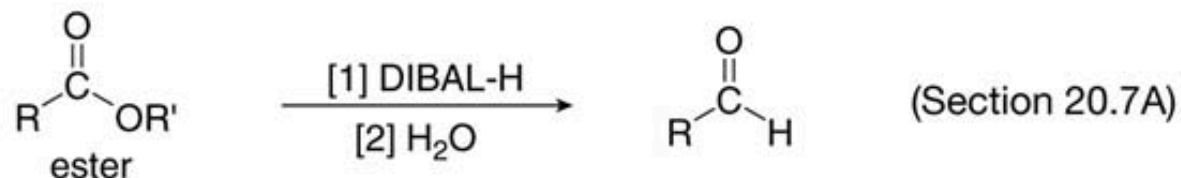


21.6A Preparation of Aldehydes

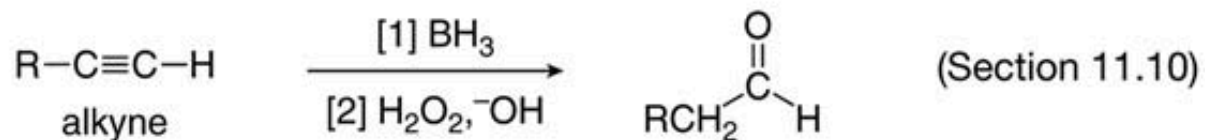
- By oxidation of 1° alcohols with PCC



- By reduction of esters and acid chlorides

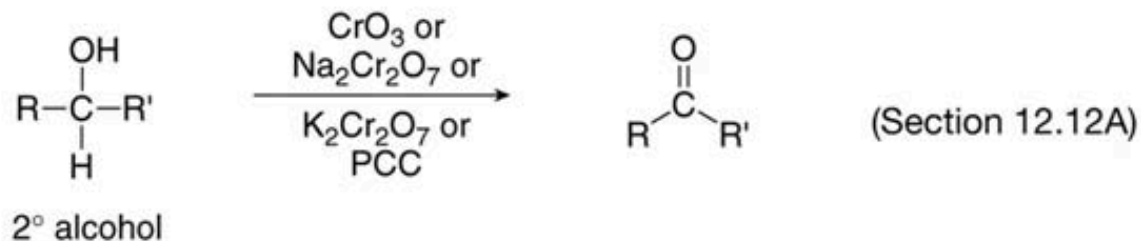


- By hydroboration-oxidation of an alkyne

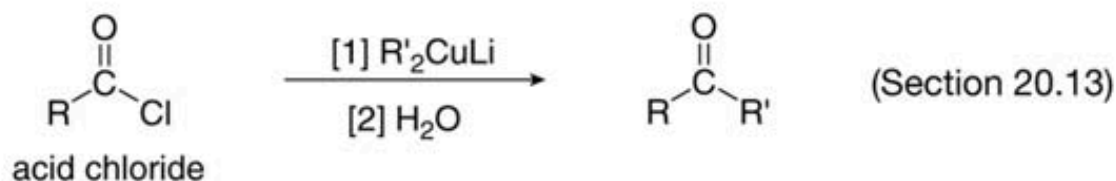


21.6B Preparation of Ketones

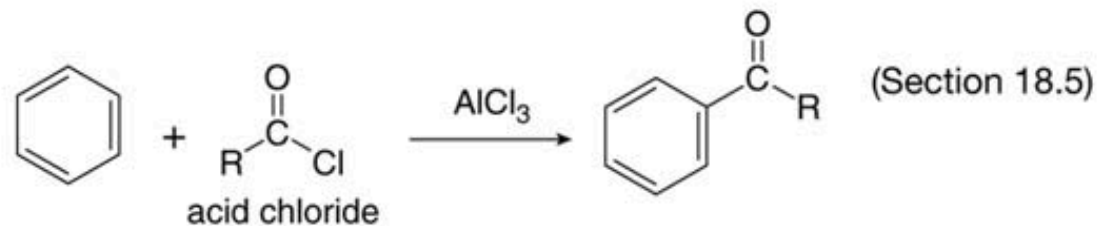
- By oxidation of 2° alcohols with Cr⁶⁺ reagents



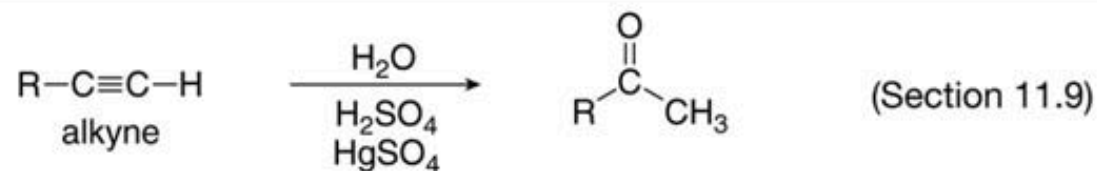
- By reaction of acid chlorides with organocuprates



- By Friedel–Crafts acylation



- By hydration of an alkyne



Aldehydes and ketones also prepared by ozonolysis of alkenes.