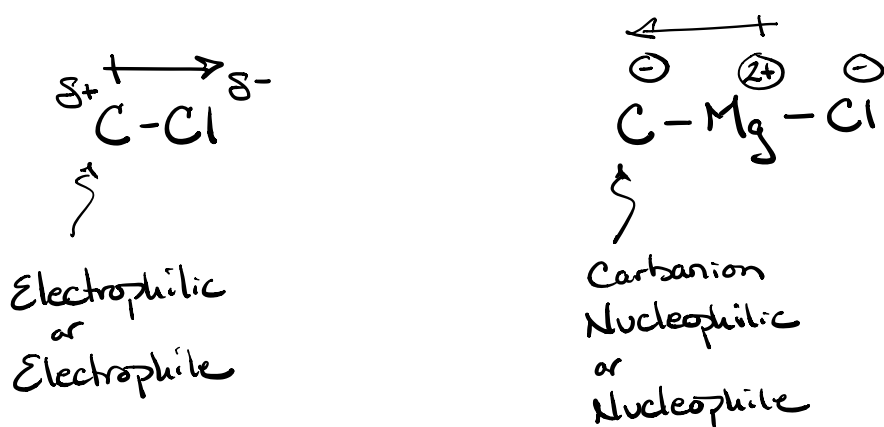
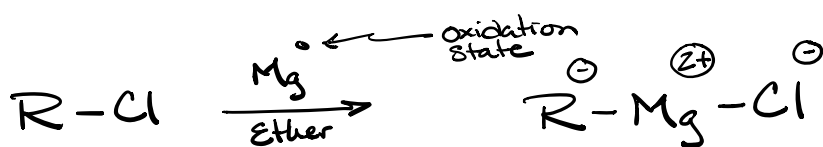
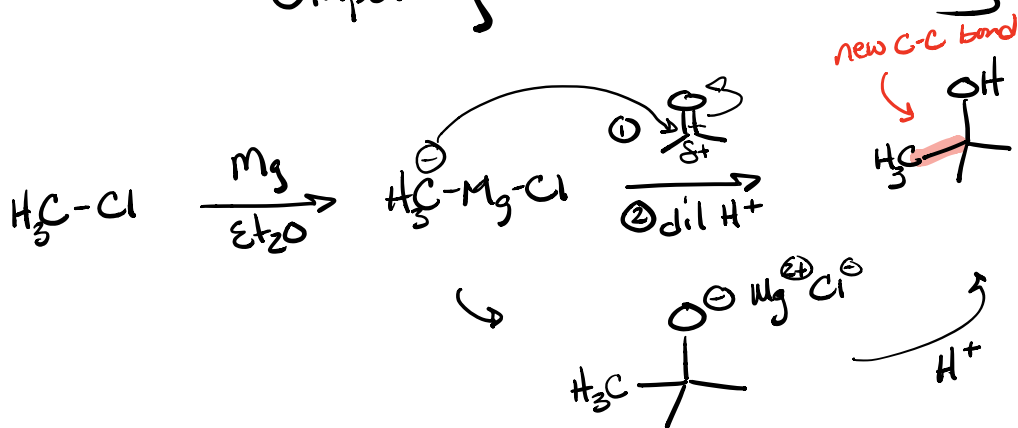


Grignard Reaction

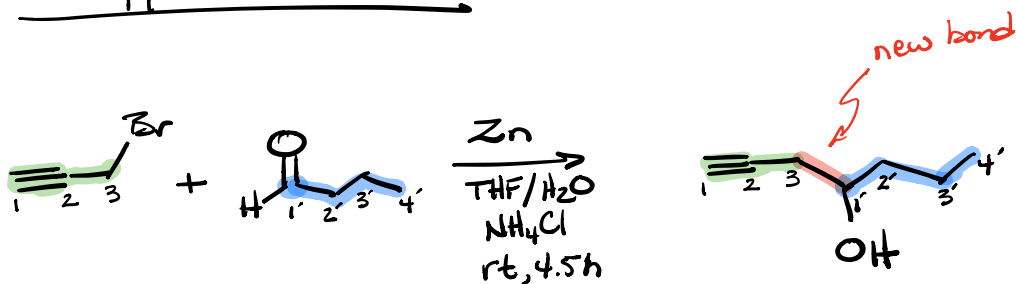


Umpolung \Rightarrow Reversal in polarity



2 Step process

Philippe Barbier 1848-1922

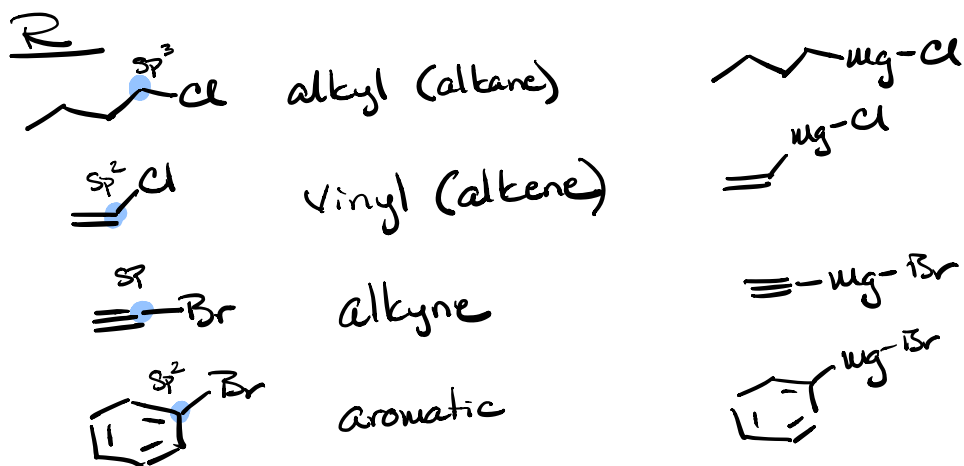
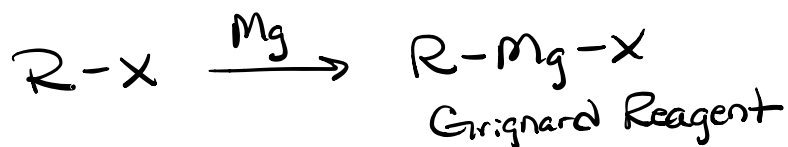


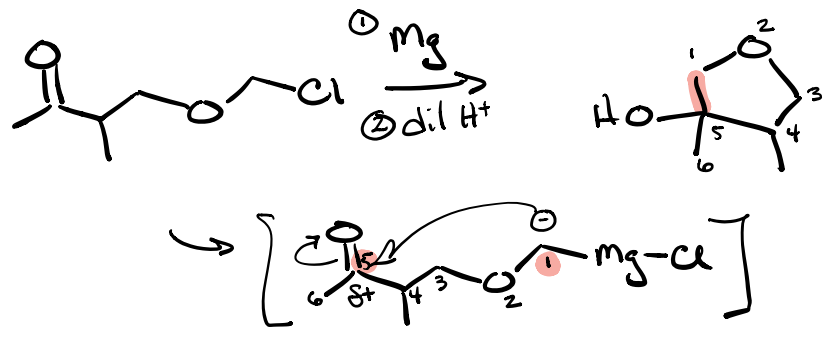
metals included Zn, In, Sn, Mg, Al, Sn

Rxn (Reaction) done "in situ"

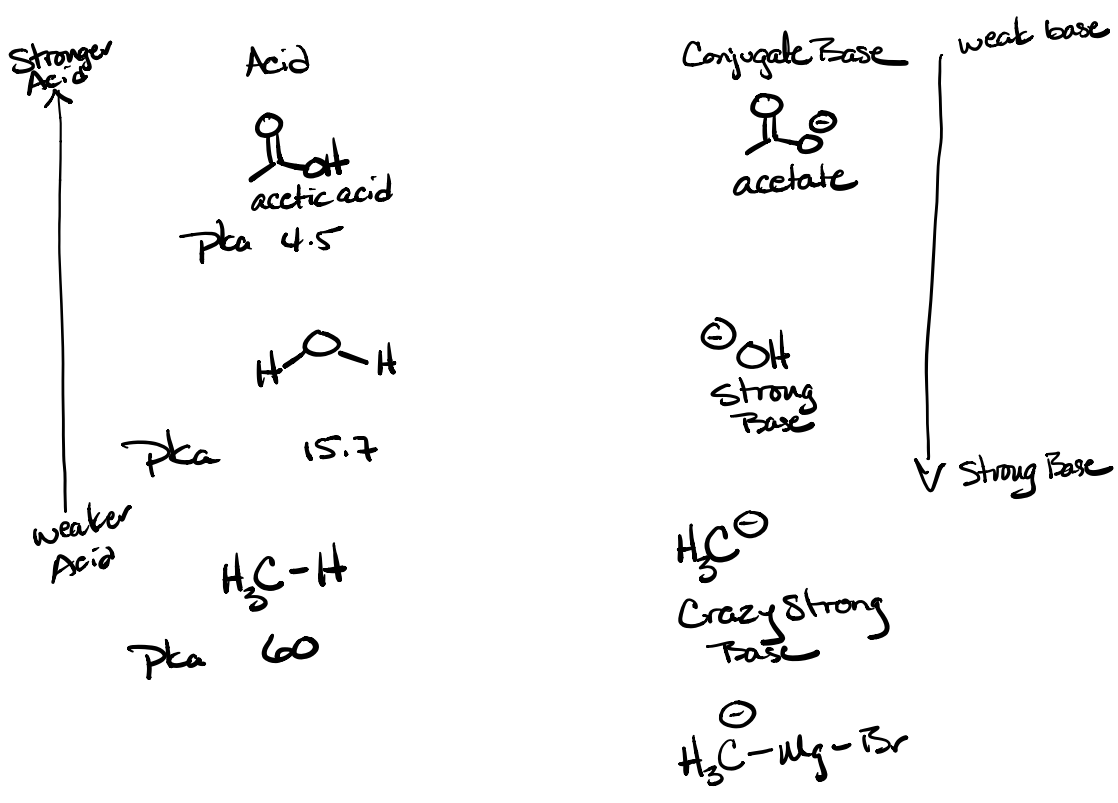
in situ = in one pot

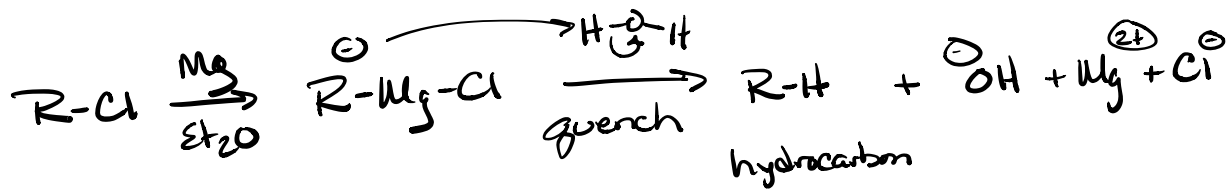
Grignard Reaction is General
works on many types of Substrates





Understanding the nature of a Grignard



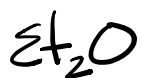


glass hydrophilic

110-115°

Cool

24hrs in oven to remove all H₂O from glass ware



diethyl ether

