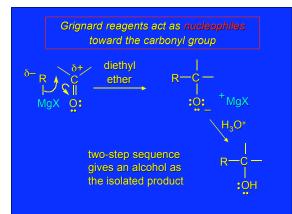
Synthesis of Alcohols Grignard or Organolithium Reagents

Organolithium reagents react with carbonyls in the same general way that Grignard reagents do

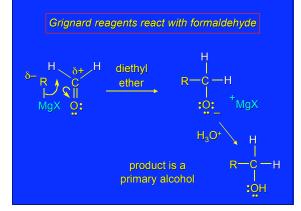


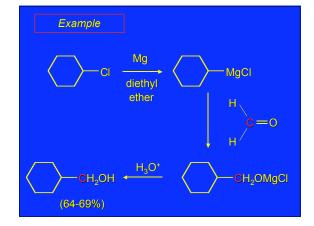
Grignard reagents react with:

formaldehyde to give primary alcohols other aldehydes to give secondary alcohols ketones to give tertiary alcohols esters to give tertiary alcohols

Grignard reagents react with:

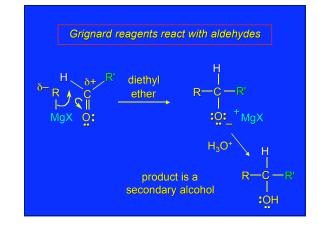
formaldehyde to give primary alcohols

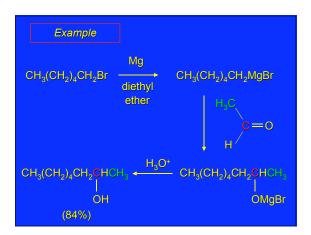




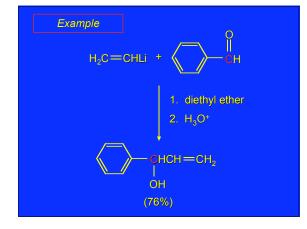
Grignard reagents react with:

formaldehyde to give primary alcohols aldehydes to give secondary alcohols





		Question	
•	ethylma	the product of the reaction of gnesium bromide (CH_3CH_2MgBr) with ($CH_3CH_2CH_2CH_2CH=O$) followed by dilute	
•	A)	2-hexanol	
•	B)	1-butanol	
•	C)	3-hexanol	
•	D)	3-pentanol	



Grignard reagents react with:

formaldehyde to give primary alcohols aldehydes to give secondary alcohols ketones to give tertiary alcohols

