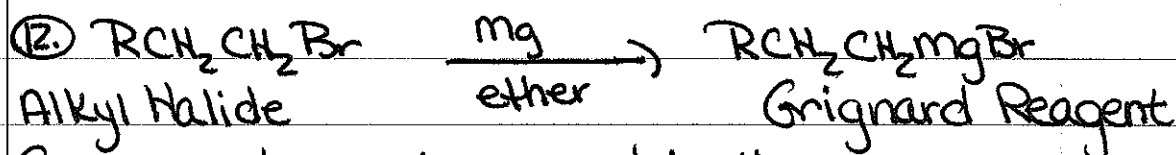


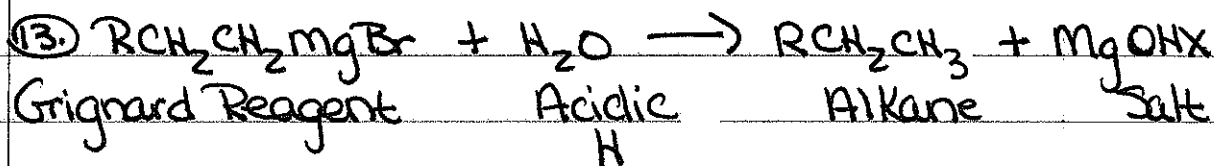
\* Chapter 15 Rxns

\* = mechanism was shown

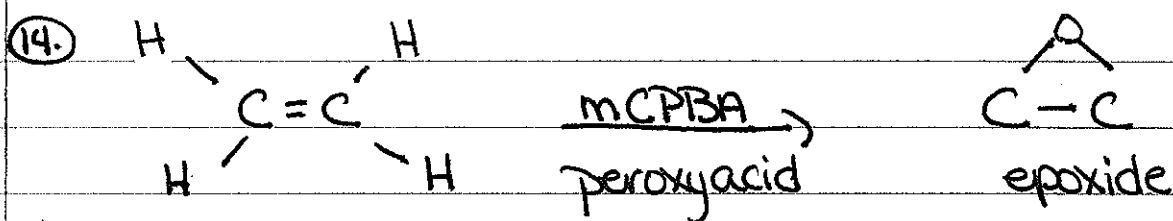
Mechanisms are shown on Answer sheets  
to worksheets



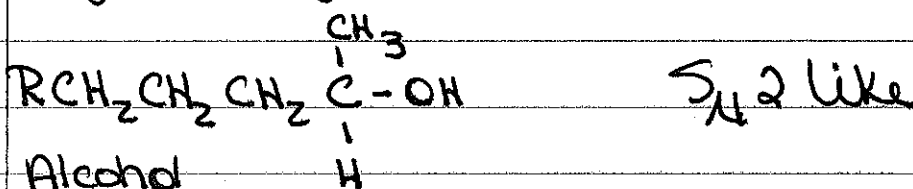
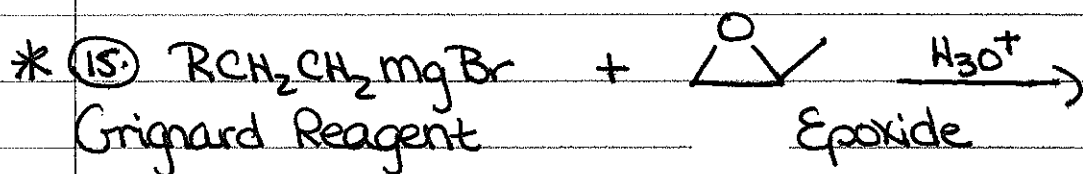
Can never be made or used in the presence of:  
OH, SH, NH, C≡CH

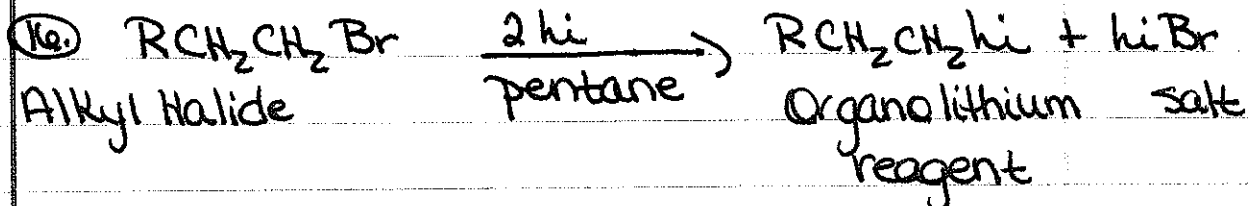


The Grignard rxn you do not want

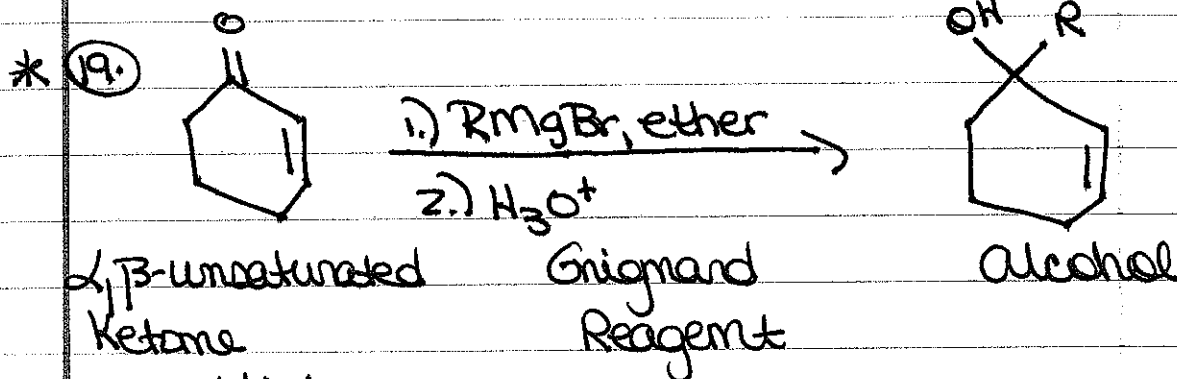
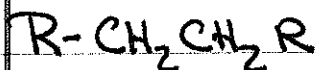
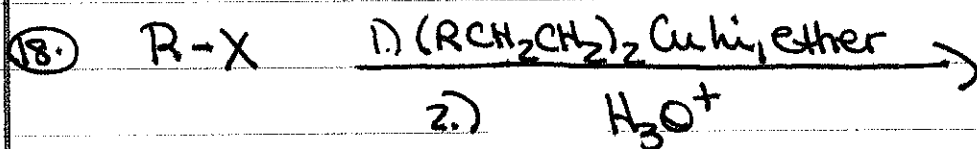
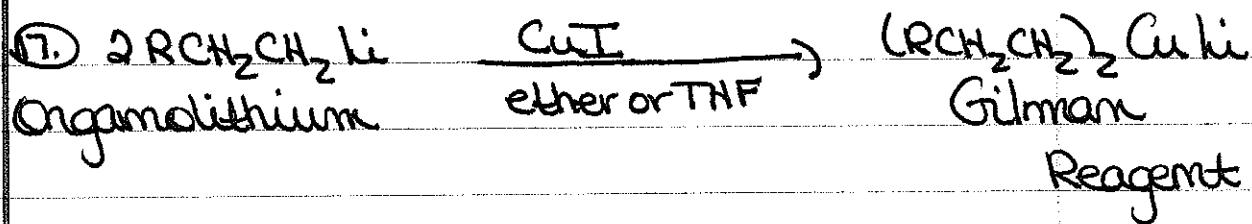


Oxidation





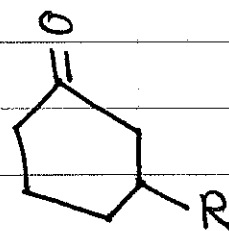
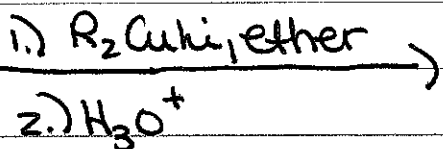
Organolithium reagents will do the same rxns as Grignard reagents



1,2-Addition

\*

20.



$\alpha, \beta$ -unsaturated  
ketone

Gilman  
Reagent

Ketone

1,4-addition