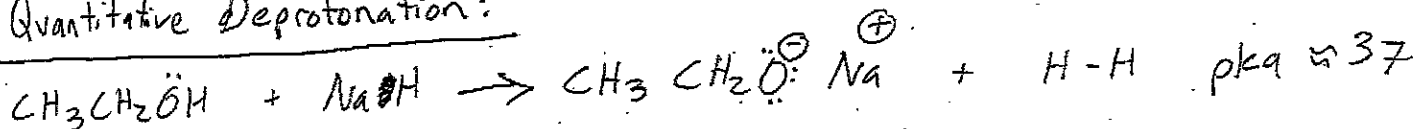
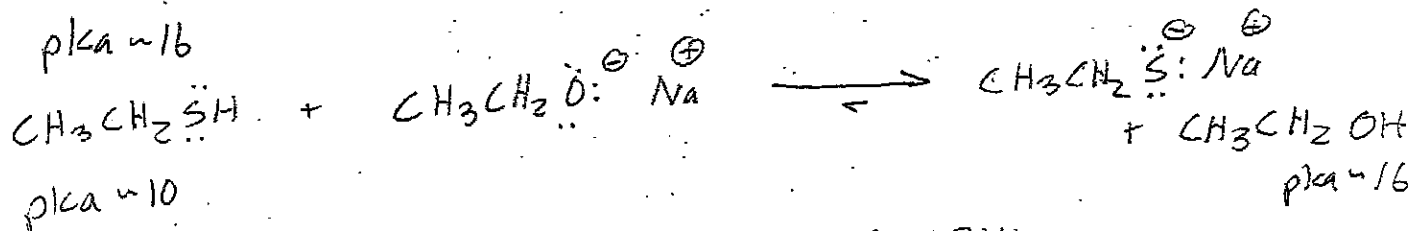


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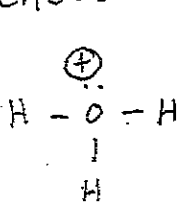
Quantitative Deprotonation:



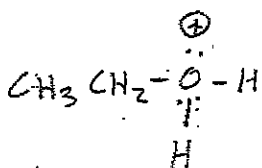
$\text{p}K_a \approx 16$



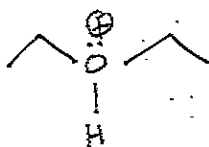
• Chem Connection Tues 5:00 RM 9341



$\text{p}K_a \approx -2$



$\text{p}K_a \approx -2$

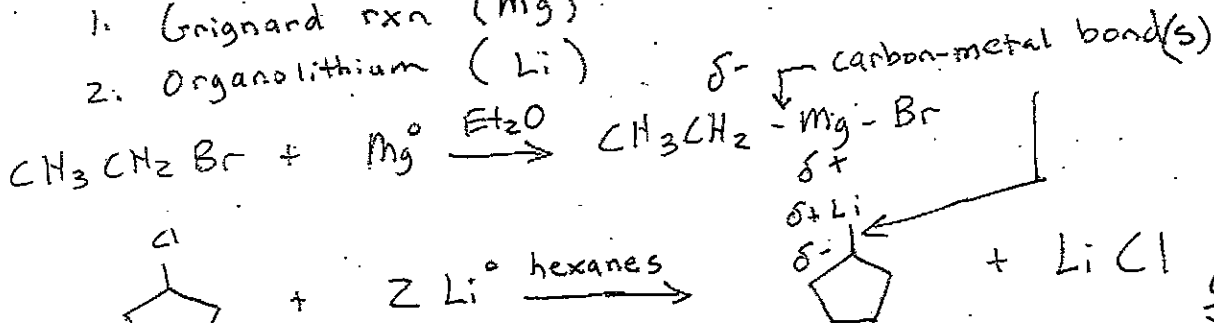


$\text{p}K_a \approx -2$

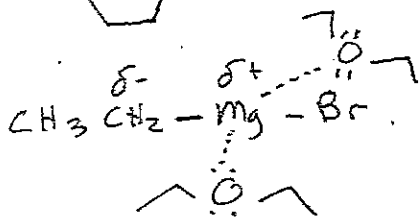
11/8 MRA

Organometallic Compounds - Compounds w/a carbon-metal bond

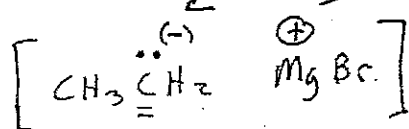
1. Grignard rxn (Mg)
2. Organolithium (Li)



CORRECTION 11/8 MRA

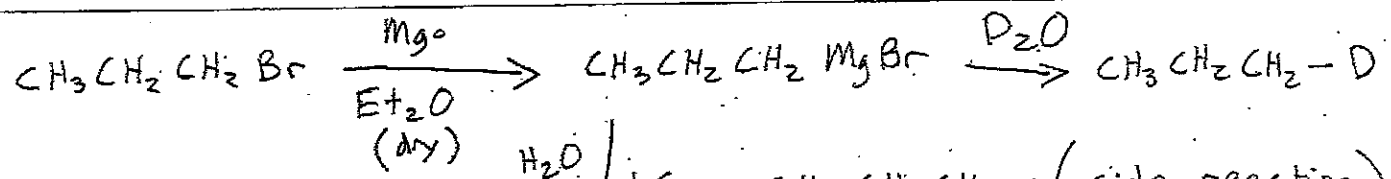


ether 'O'(s)  
 stabilizes  
 grignard  
 reagent



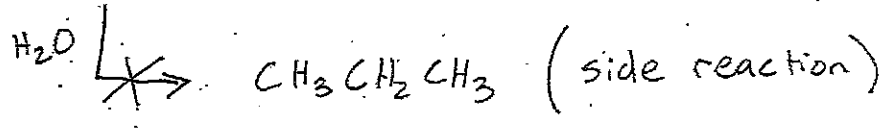
Carbocation  
~~carbene\*~~  
 \* very strong  
 Brønsted bases

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\* water sensitive

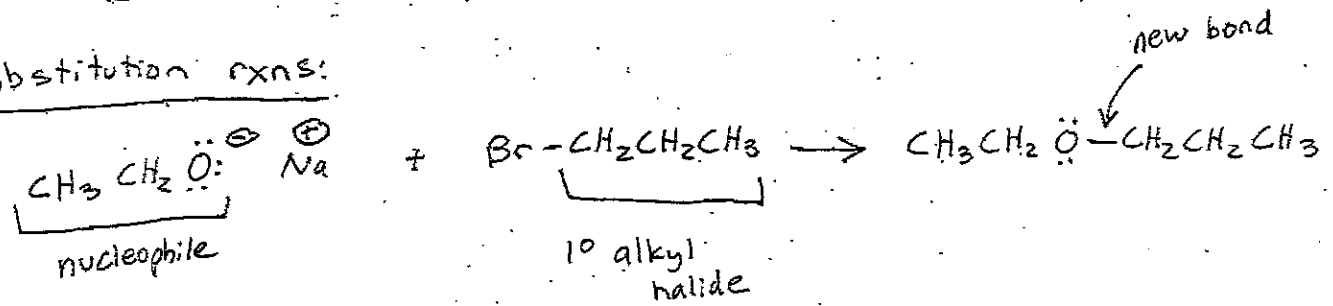
\* inert conditions  
 (N<sub>2</sub> or Ar)



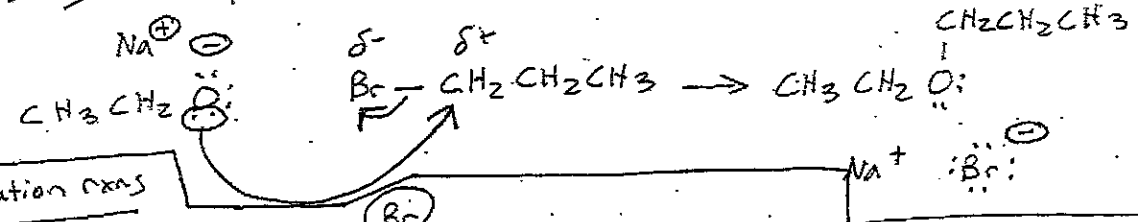
Ch 9 → substitution + elimination reactions of alkyl halides

Problems: 1-5, 8-18, 20-71

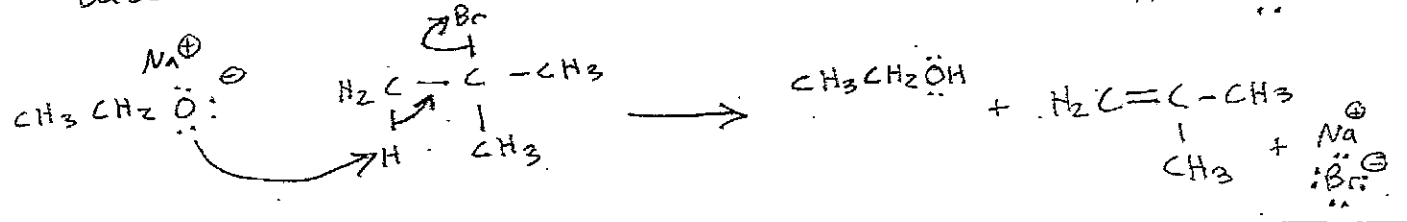
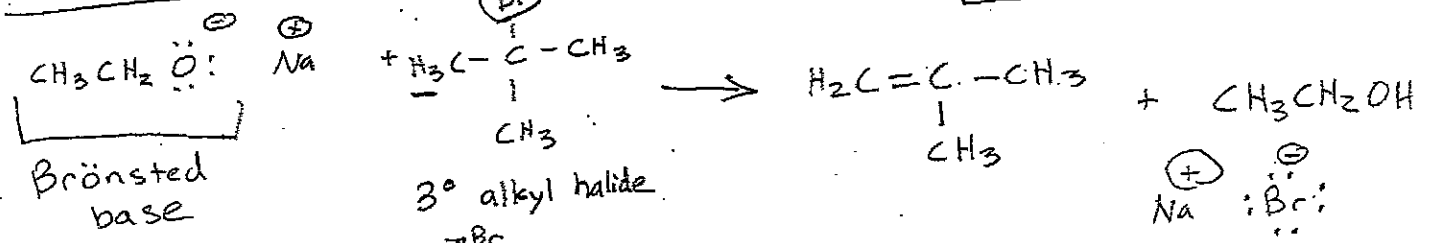
Substitution rxns:



→ "nucleophilic displacement" rxns



Elimination rxns

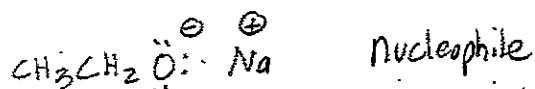


Course 343-3 Lecturer Barta (Gellman)  
Day Friday Date 11/2/12  
Notes Taken By Matt Aronoff Total # of Pages 3

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Substitution

E elimination



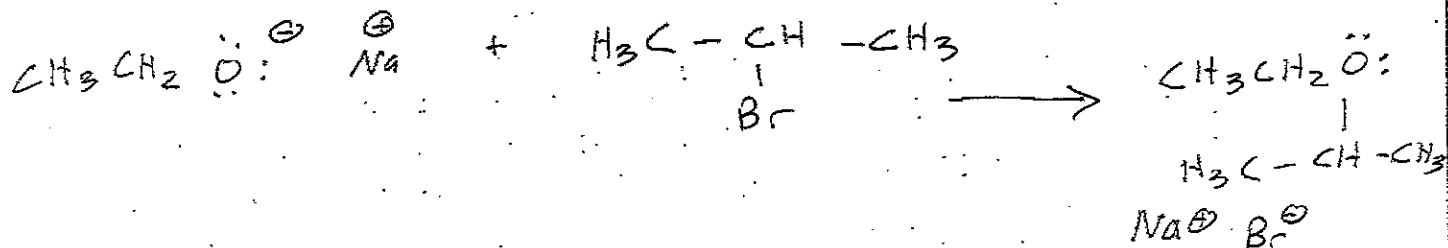
Brønsted base

alkyl  
halide

1°

3°

2°  $\Rightarrow$  mixture of both types of rxns



and

