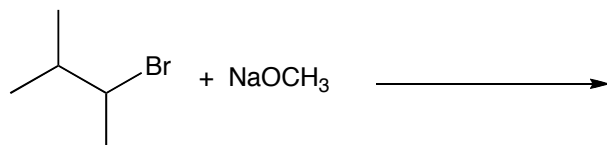


## Recitation Week 11

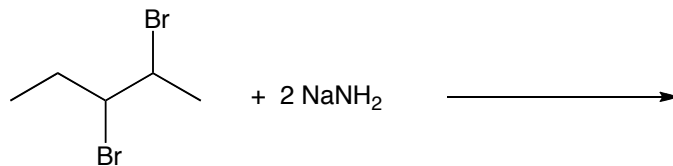
4/3/13

1. Give the major organic products of these elimination reactions:

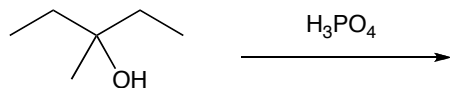
(a)



(b)

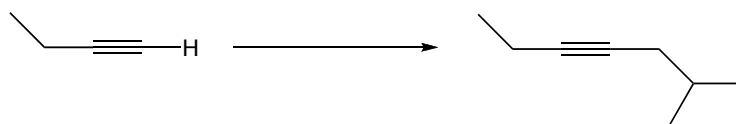


(c)

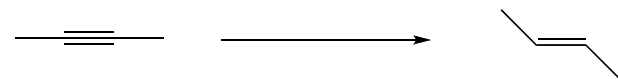


2. What reagents would you use to do the following transformations?

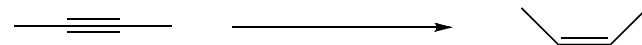
(a)



(b)

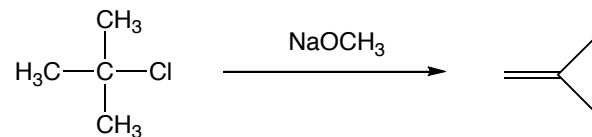


(c)

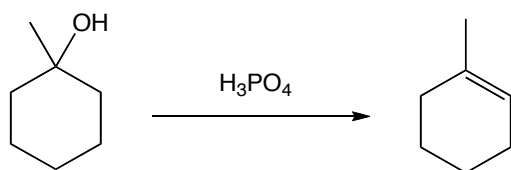


3. Propose mechanisms for the following reactions:

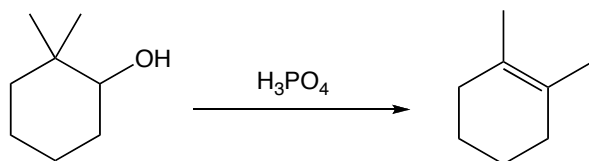
(a)



3. (contd.) (b)



(c)



4. Review for quiz: Give an example of each of the four types of reaction we have studied ( $\text{S}_{\text{N}}1$ ,  $\text{S}_{\text{N}}2$ ,  $\text{E}1$ ,  $\text{E}2$ ). What type of alkyl halide and nucleophile/base could react, and what would the products be? Outline the mechanism in each case.