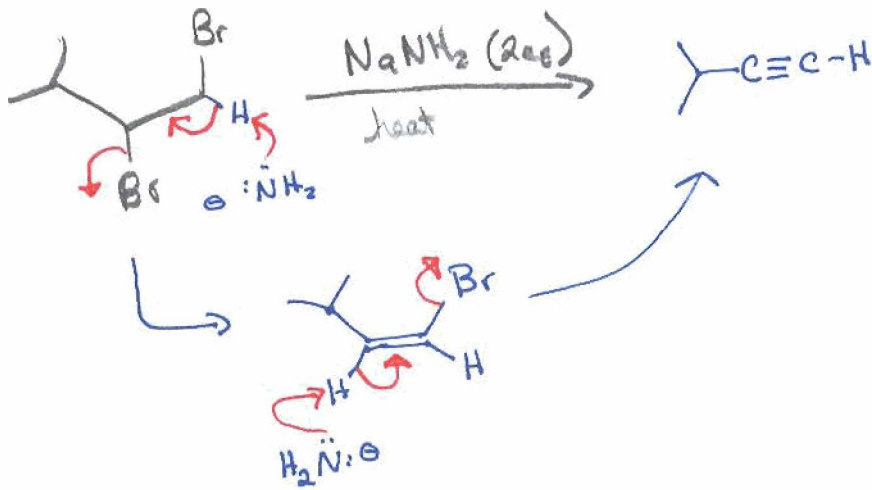
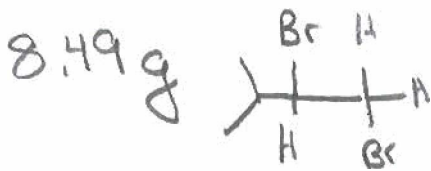
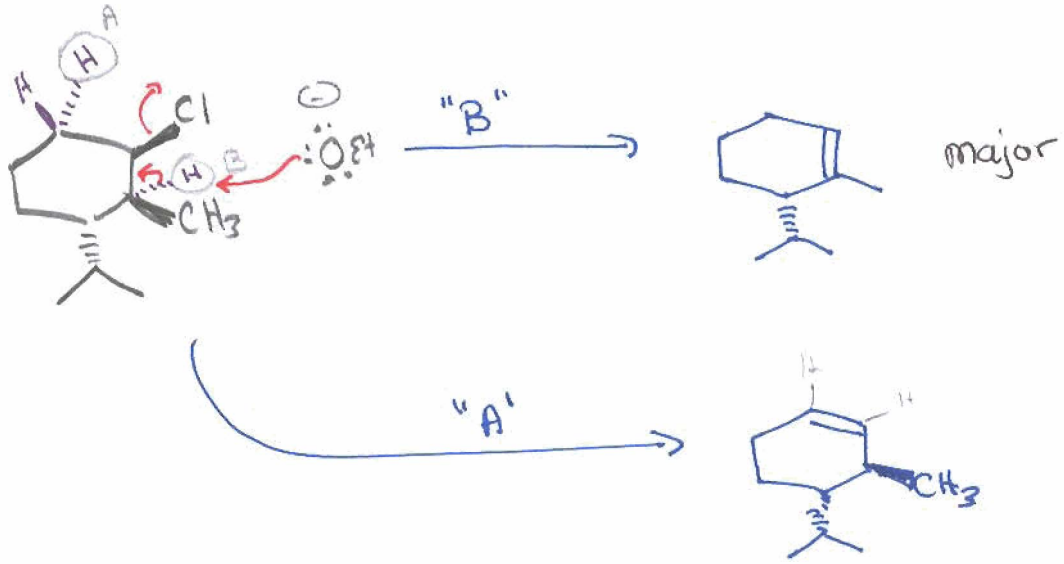
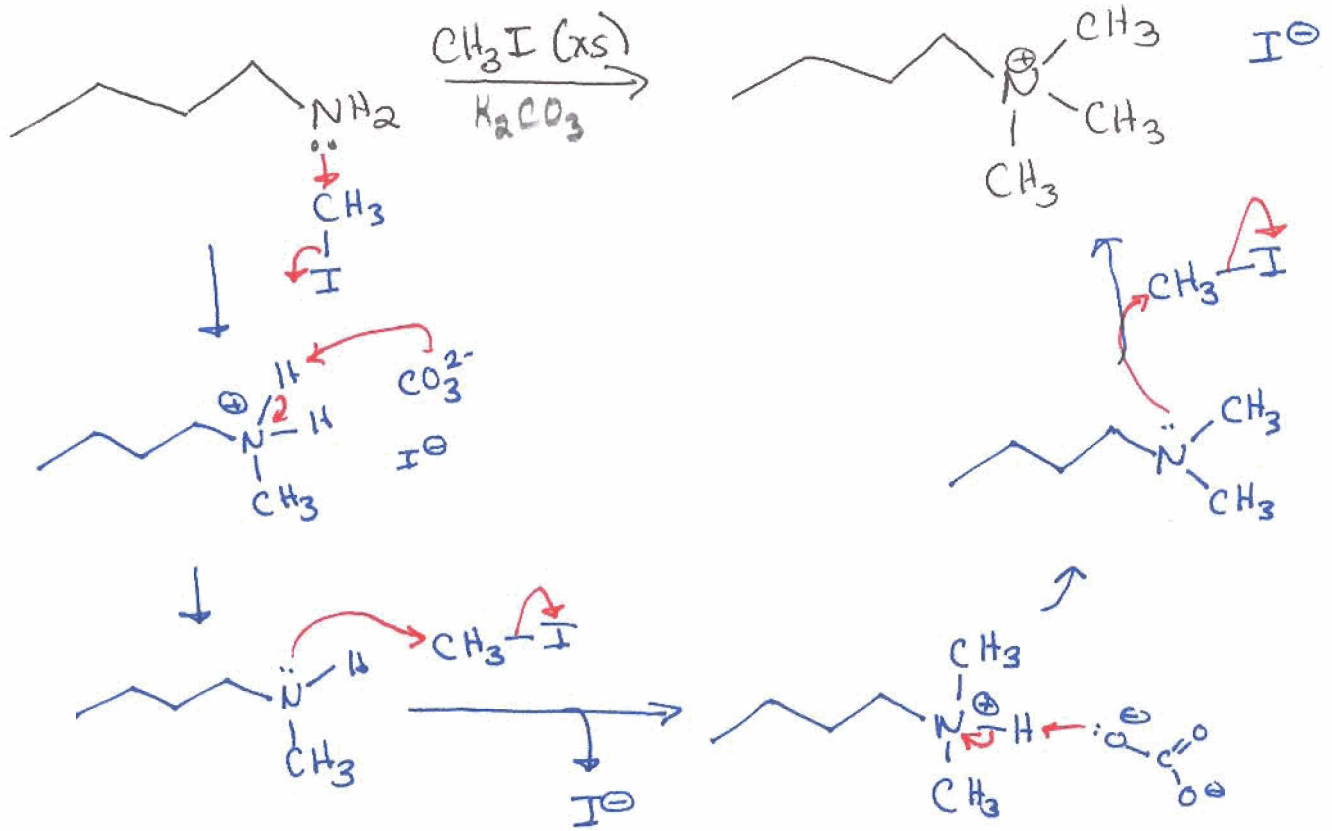


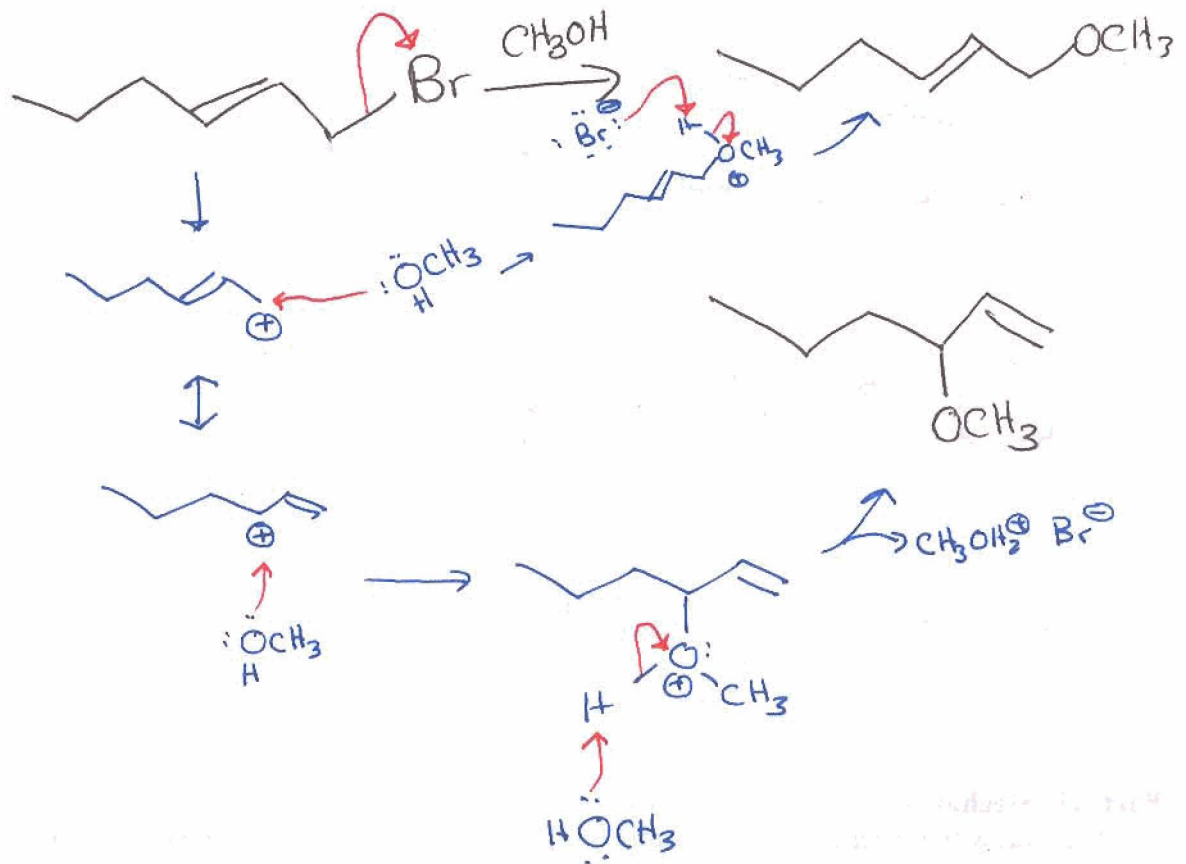
Homework



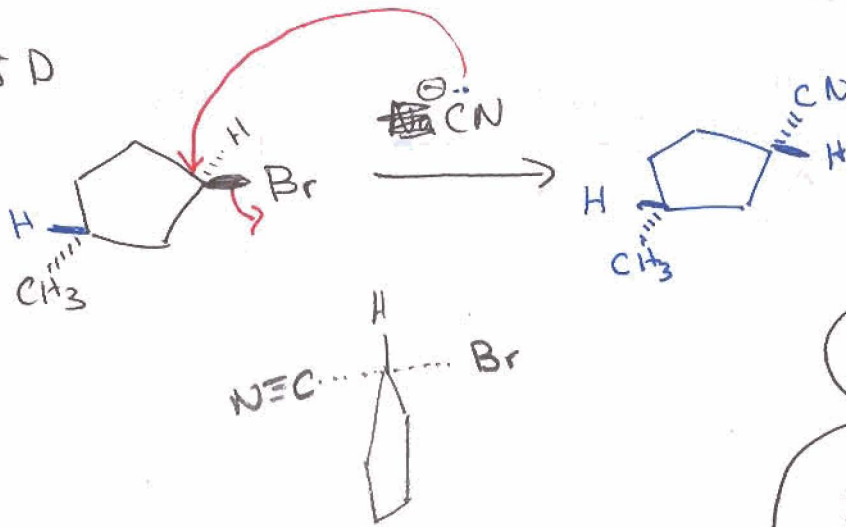
More Homework



more homework

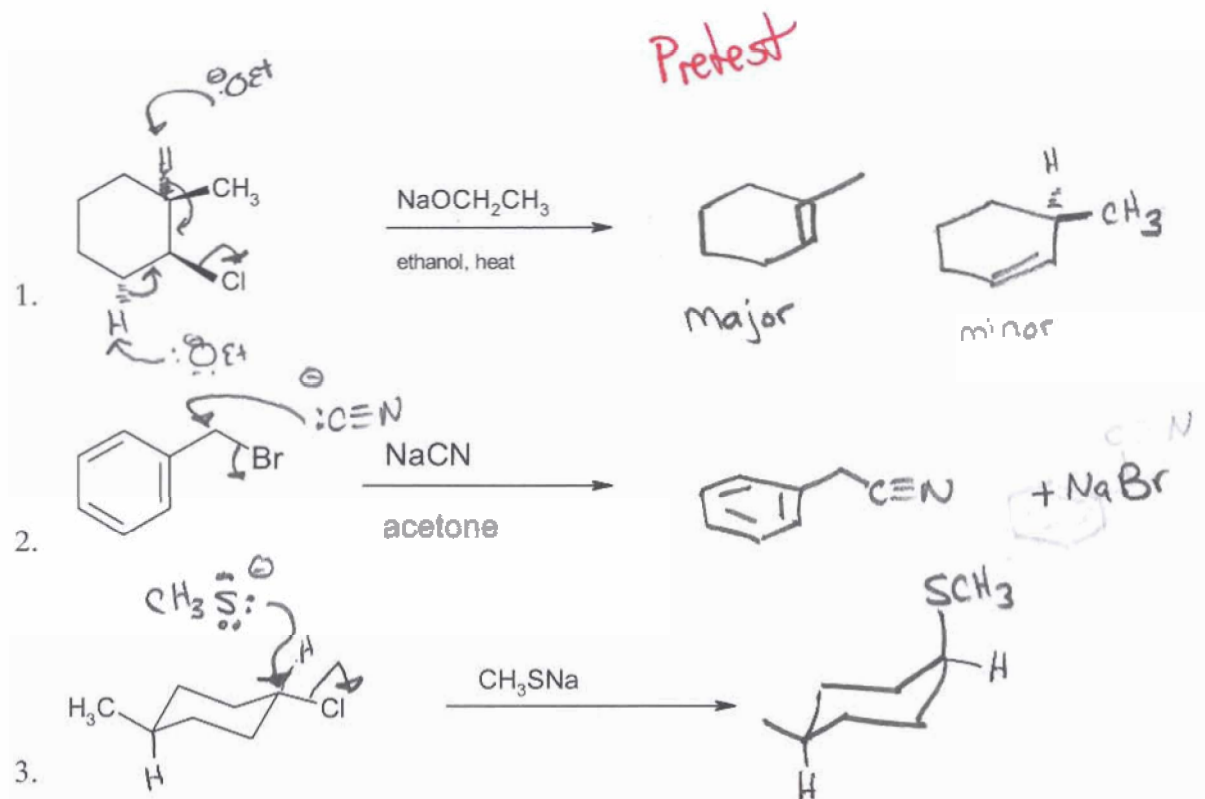


7.58 D



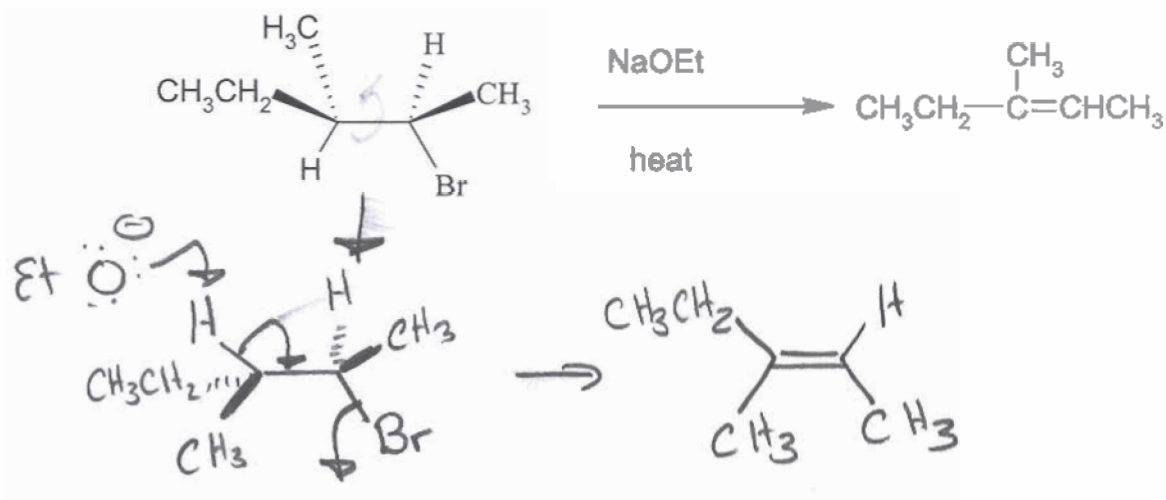
$\text{S}_\text{N}2$ Inversion

$\text{S}_\text{N}1$: Both R & S
racemic
mix



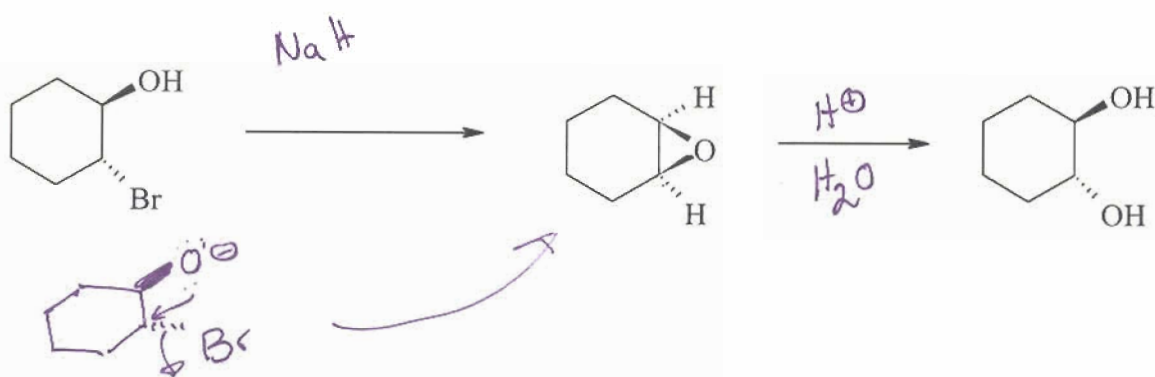
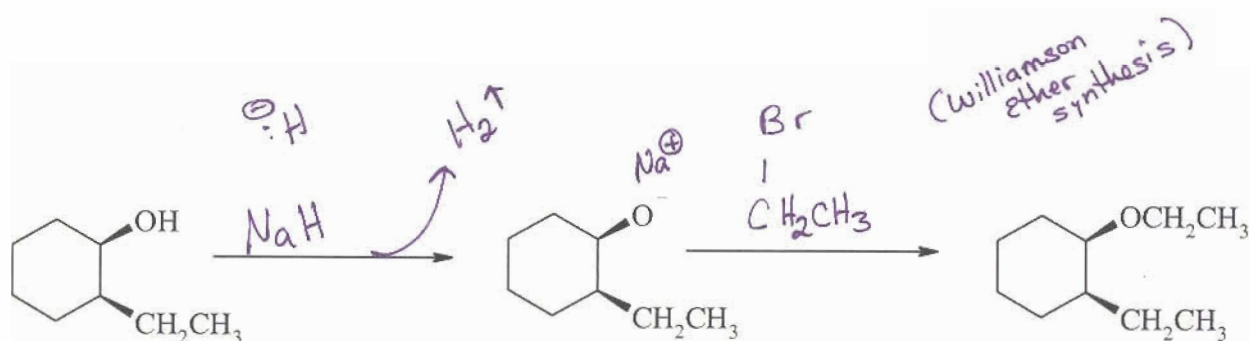
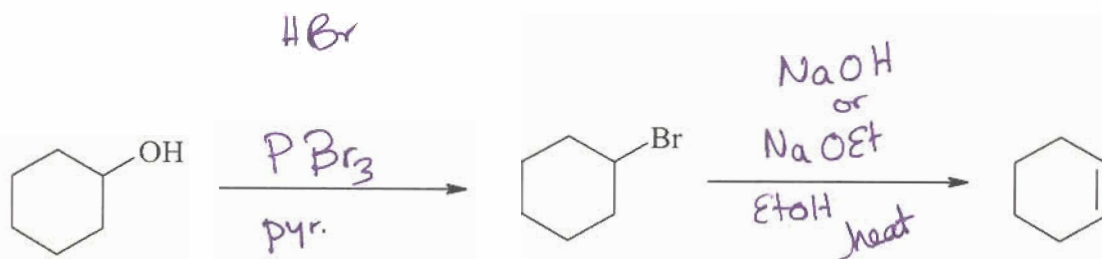
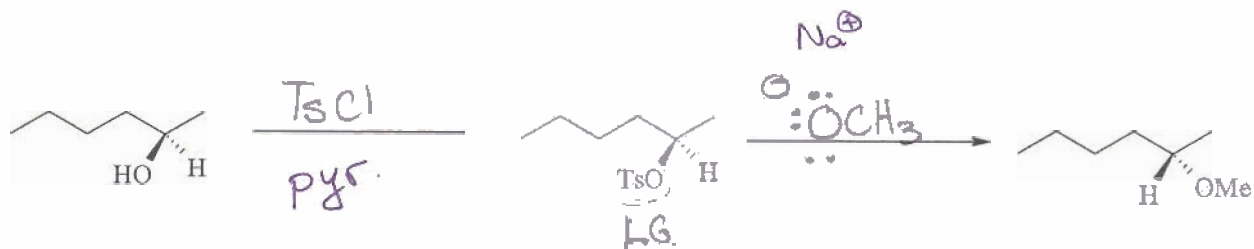
Part III: Mechanisms.

1. Please draw the mechanism for the following reaction. Show all intermediates and use arrows to show movement of all electrons. Please also define the regiochemistry (E or Z) of the product. (E2)



Sample synthesis

Part IV: Synthesis. Please fill in the correct reagents for the steps in the following synthesis.

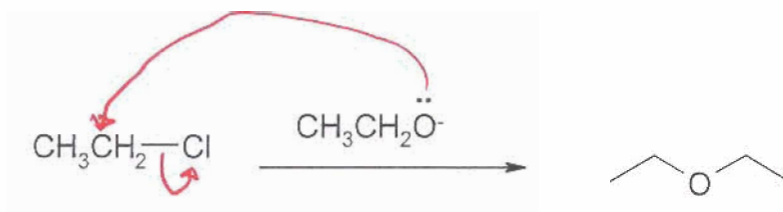
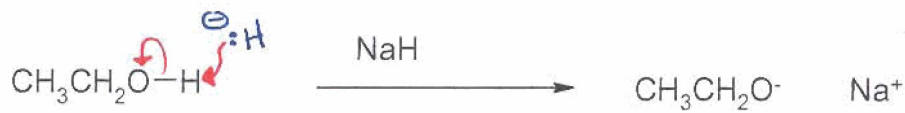


Lecture

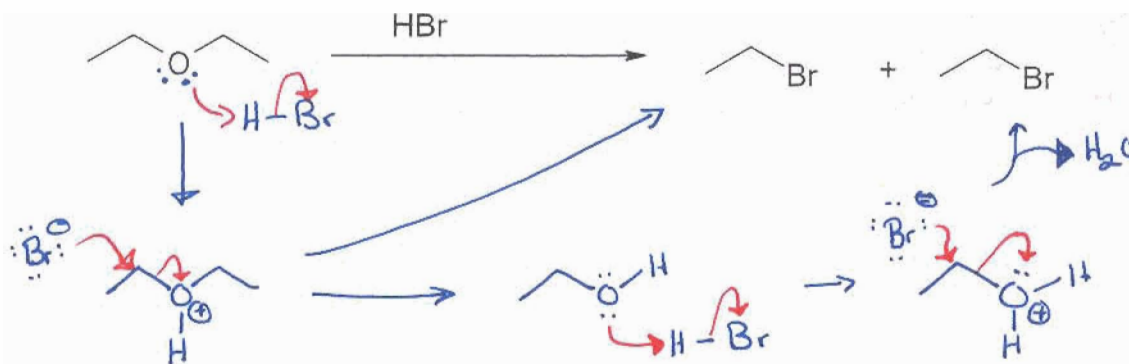
Williamson ether synthesis

Alkoxide plus halide: don't make the halide too bulky

Forming the alkoxide:



Reactions of ethers:



Epoxides are reactive ethers.

