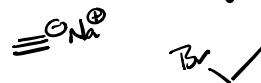
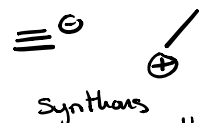
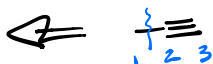
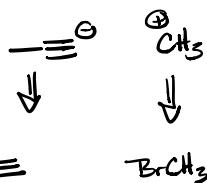
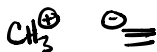
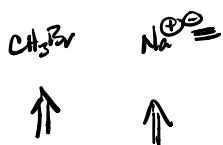
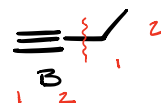
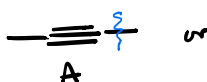
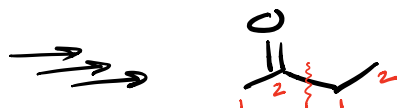
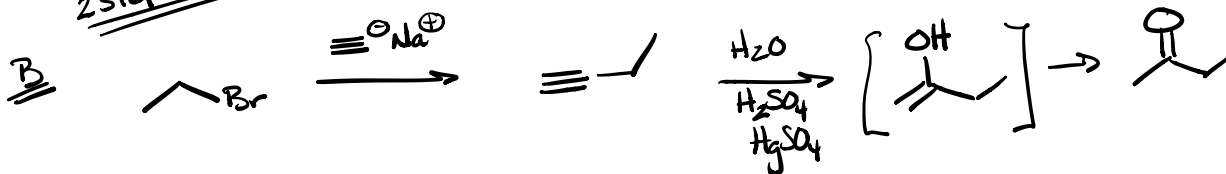


# Synthesis Examples

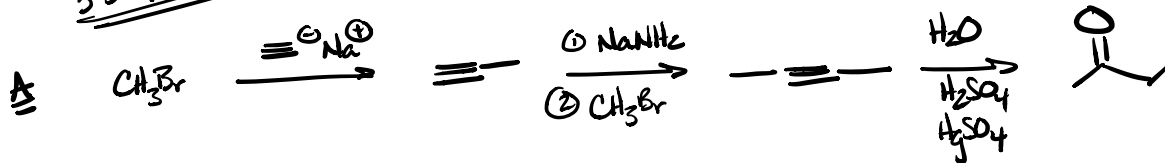
① From any reagents of 2 carbons or less

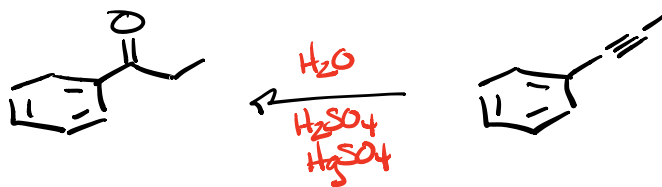
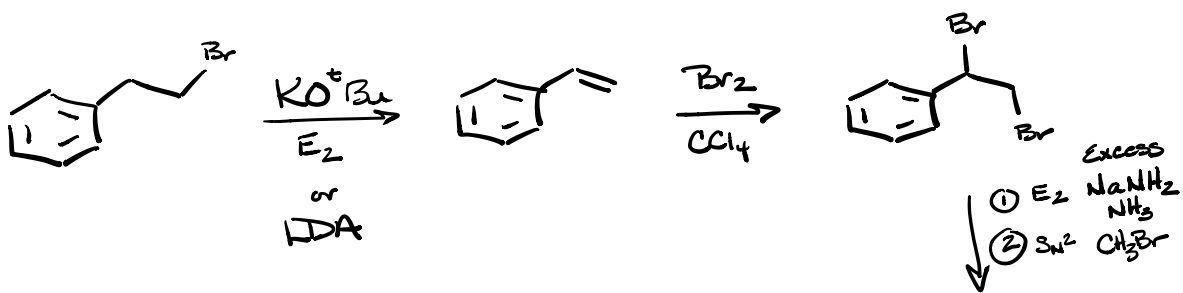
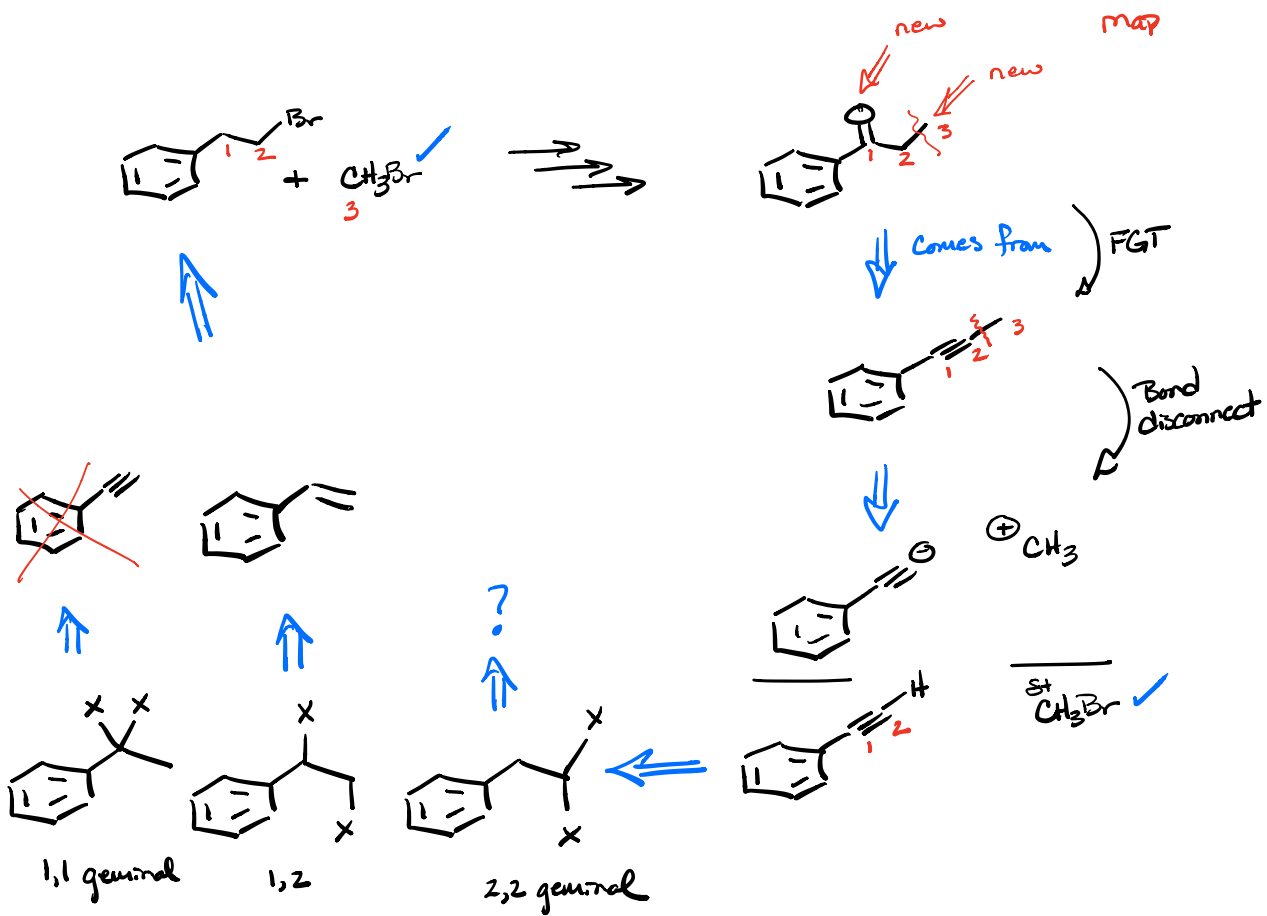


2 steps for B

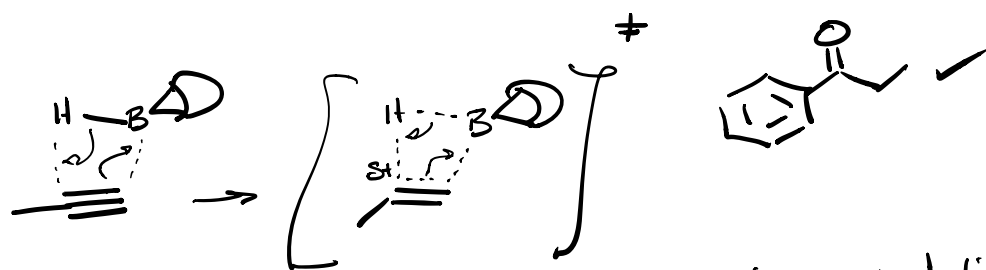
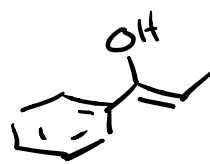
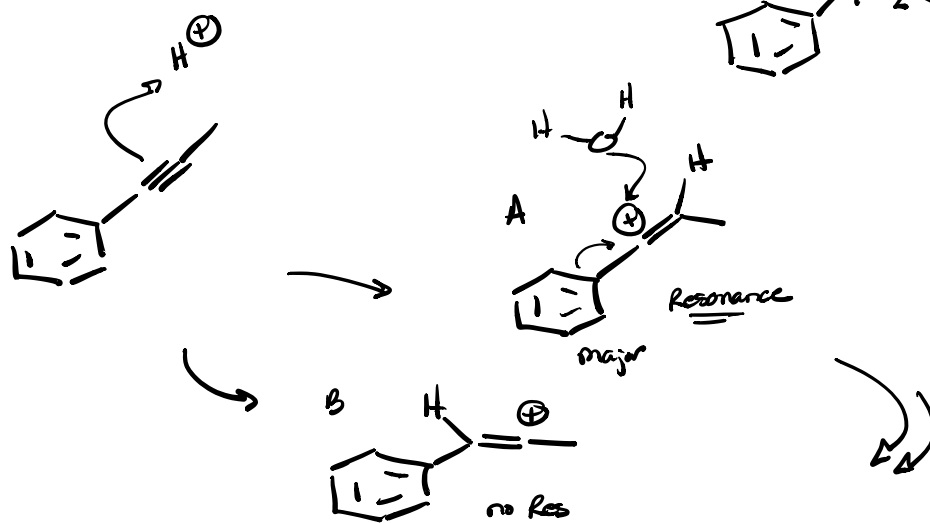
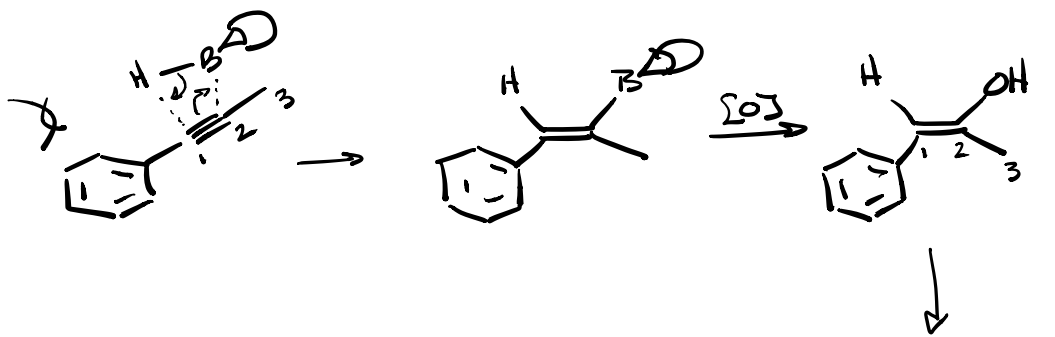


3 steps for A



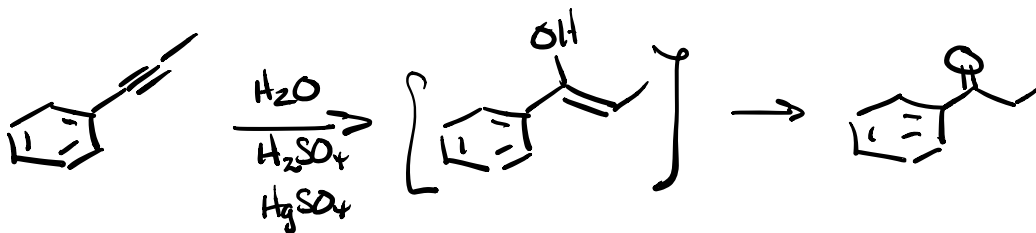
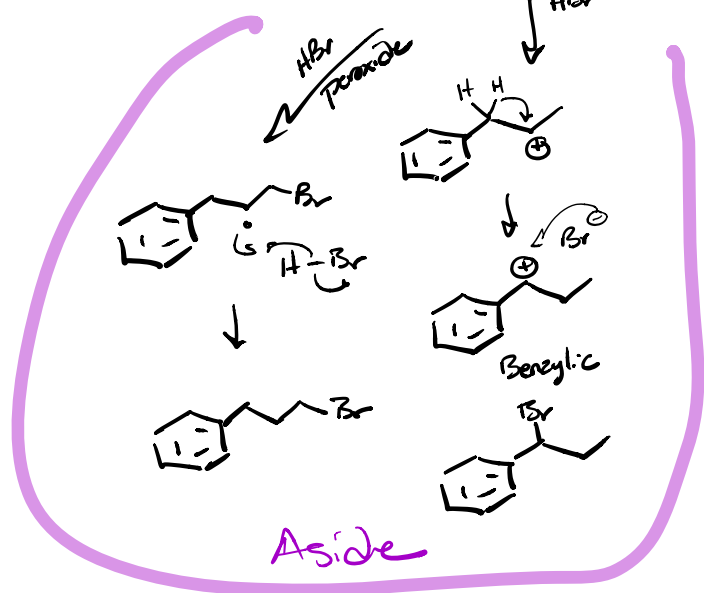
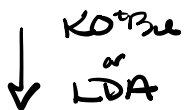
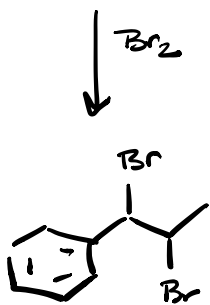
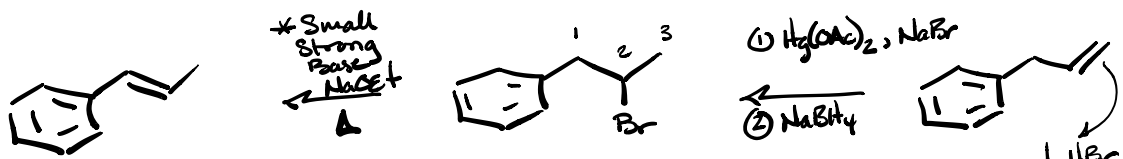
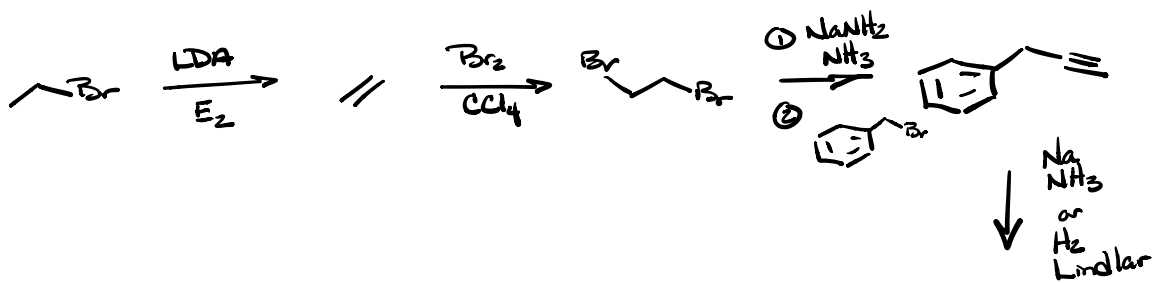


\* See next page for details

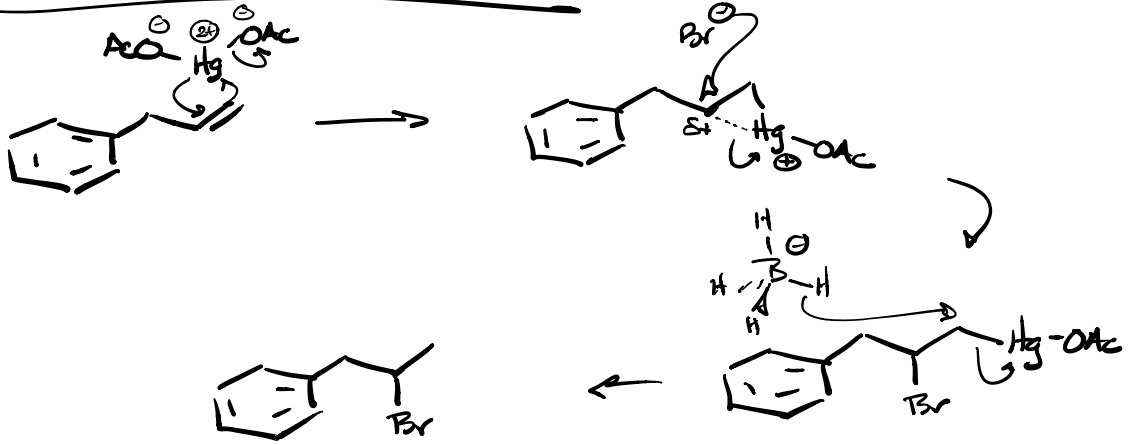


9-BBN w/o sterics is governed by electronic just like  $\text{BH}_3 \cdot \text{THF}$ . However, when there are sterics the 9-BBN is governed by sterics.





Oxymercuration / Demercuration



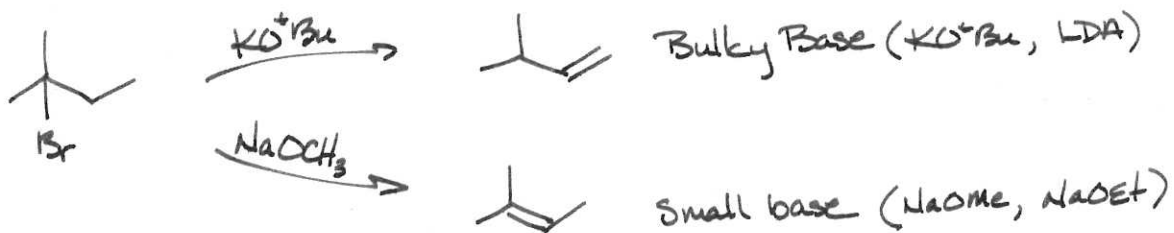
w/o Alkyl or  
hydride  
shifts

# Common Themes

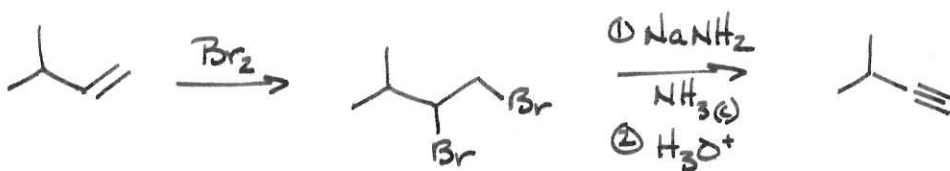
## Functionalization



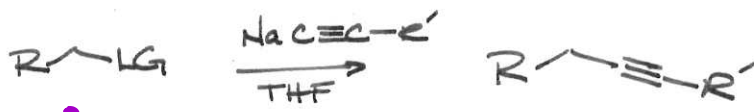
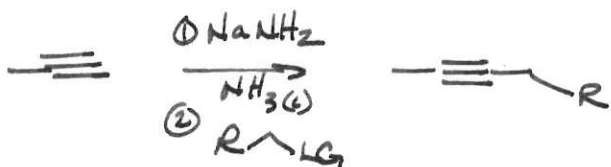
## Formation alkenes



## Formation alkynes

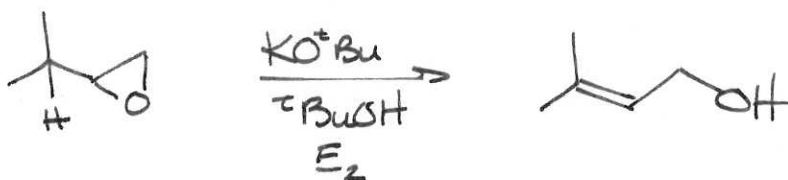
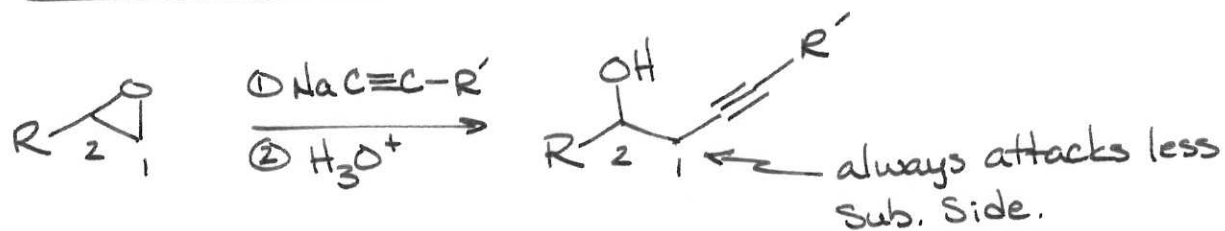


## Making New C-C bonds



10

## Use of Epoxides



## $\text{S}_\text{N}2$ Rxns

