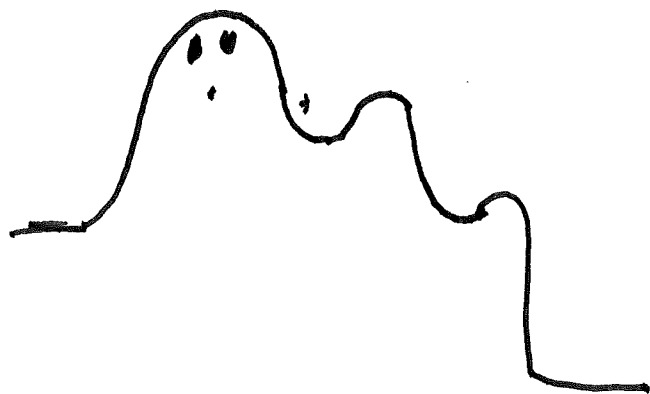
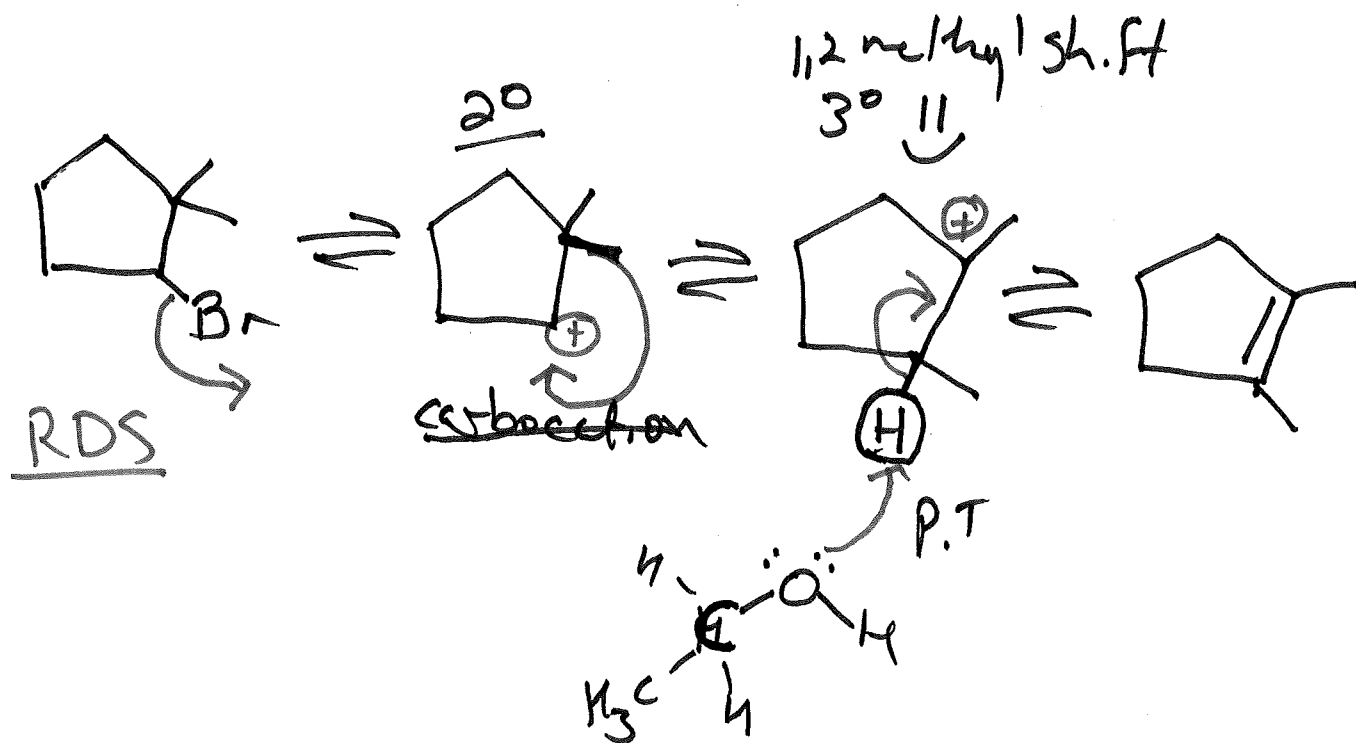
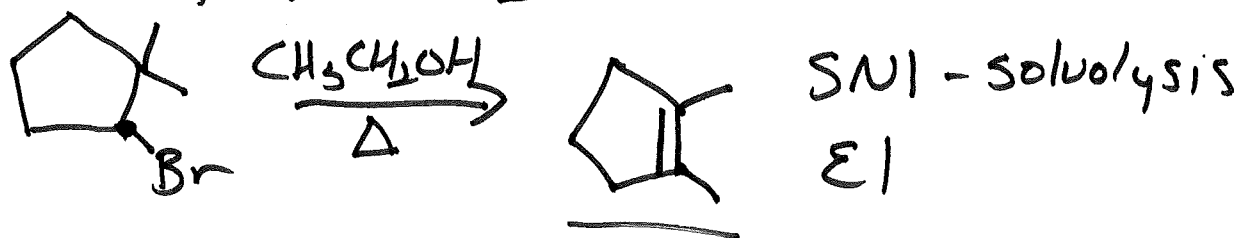
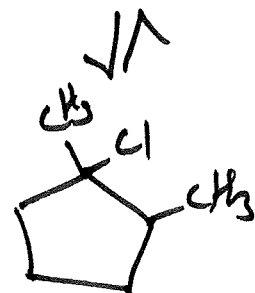
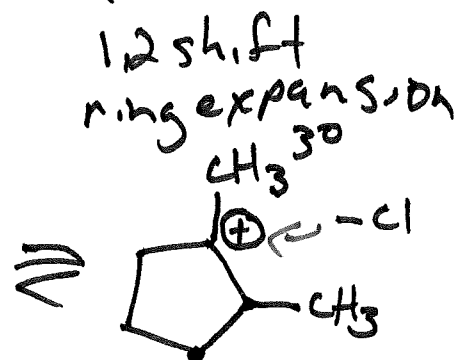
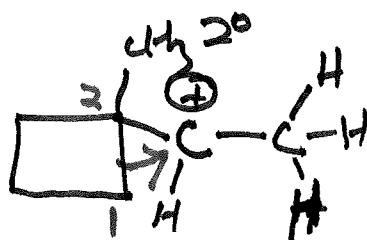
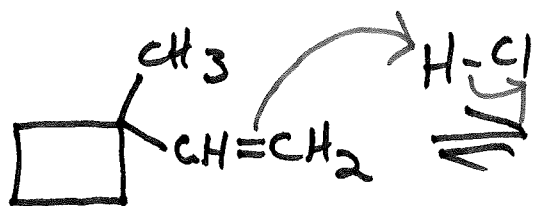
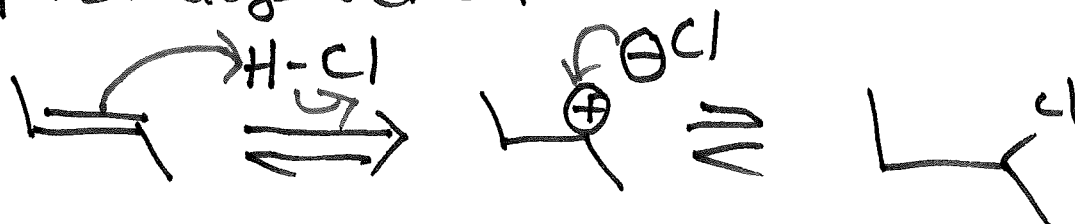


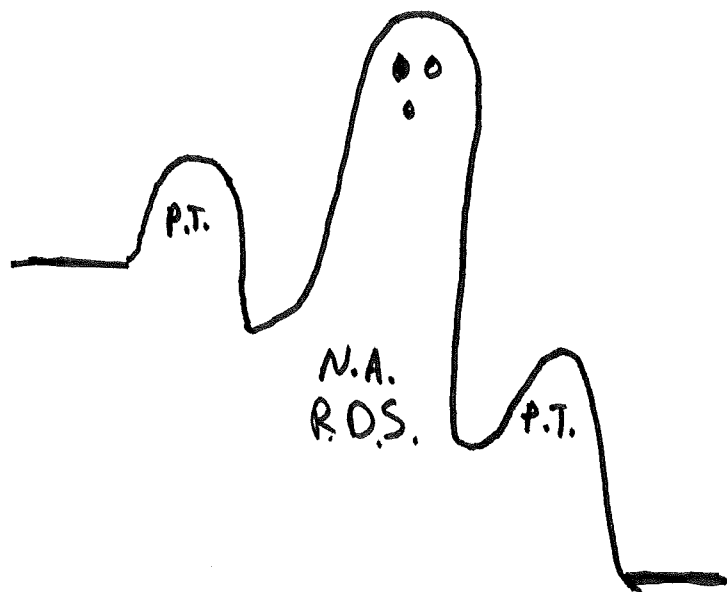
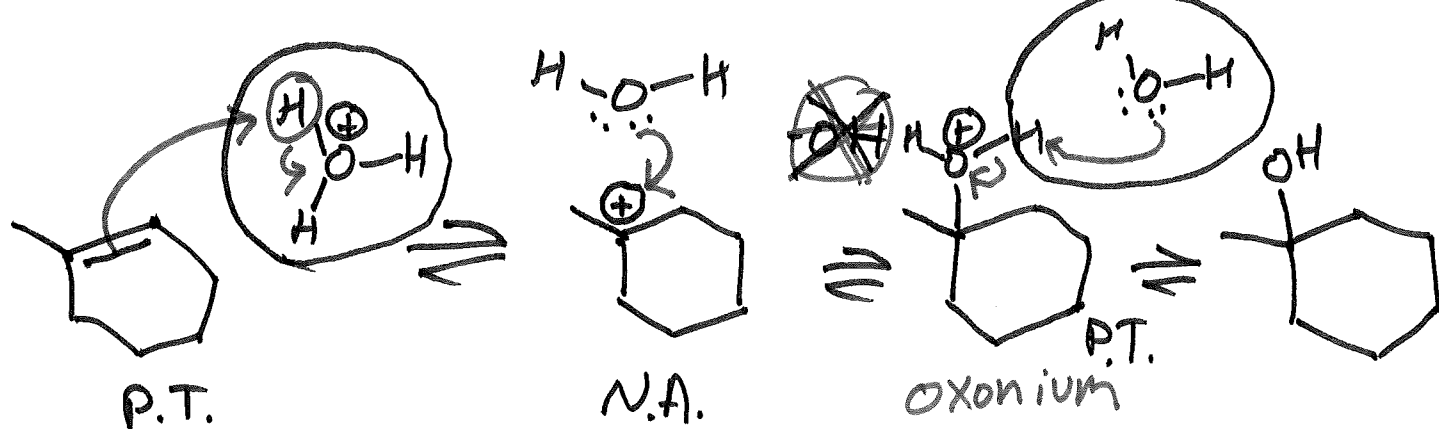
1-bromo-2,2 dimethylcyclopentane $\xrightarrow[\text{EtOH}]{\Delta}$ 1,2-dimethylcyclopentene



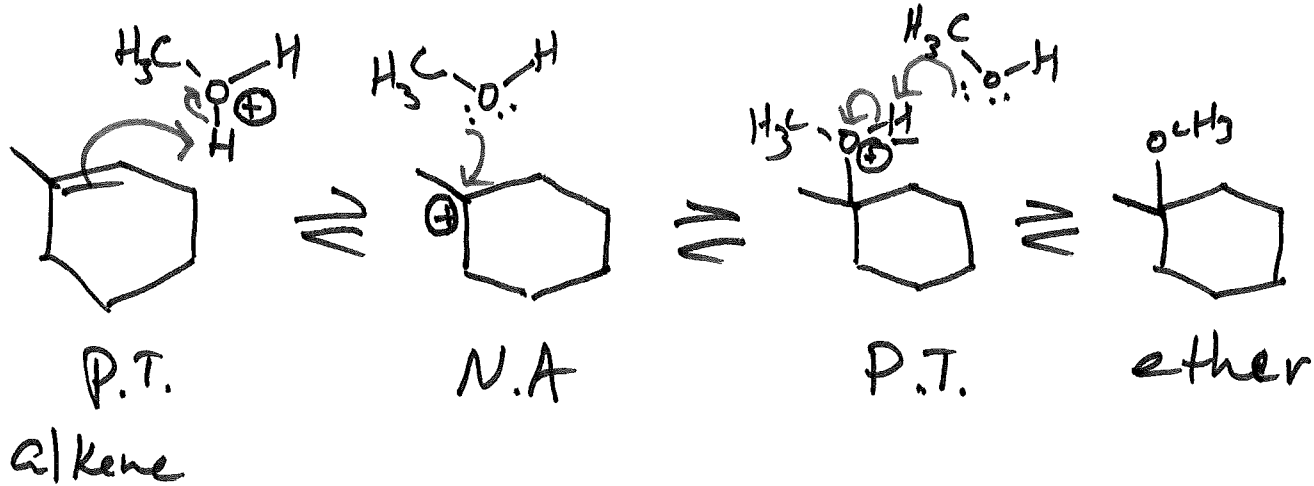
hydrohalogenation



racemic mixture



Acid catalyzed addition of water



acid catalyzed addition of alcohol $\rightarrow$ ether
 acid catalyzed addition of water $\rightarrow$ alcohol