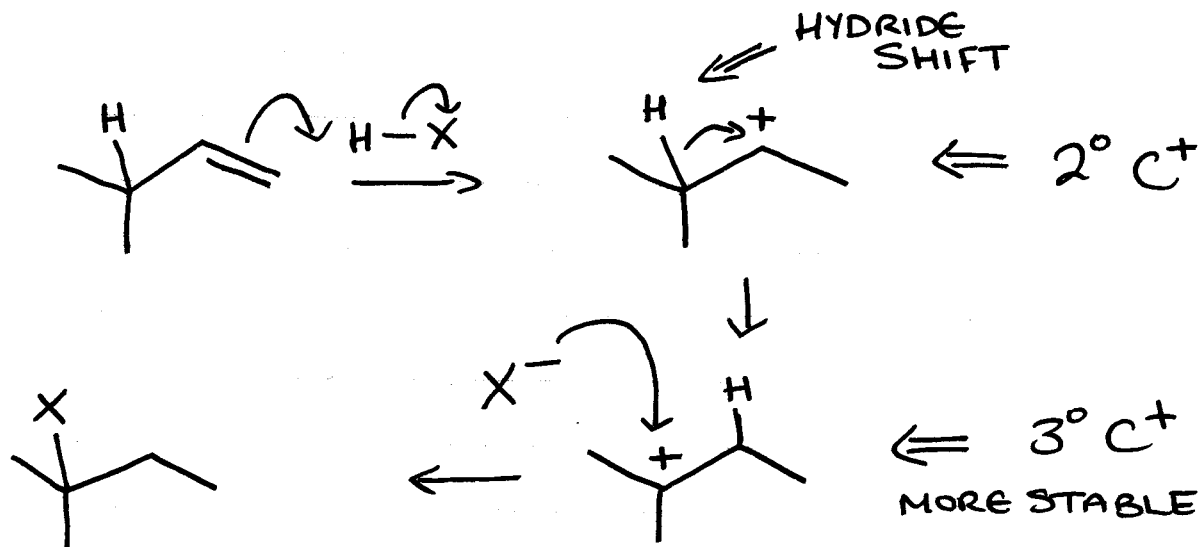
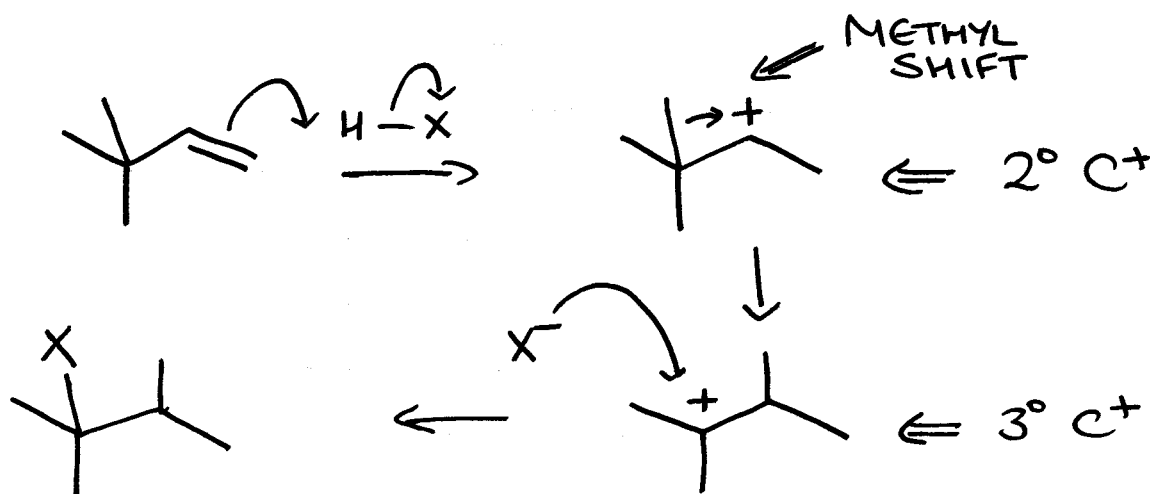


# CARBOCATION REARRANGEMENT

## - 1,2 HYDRIDE SHIFT



## - 1,2 METHYL SHIFT



## - RING EXPANSIONS (DRIVEN BY RING-STRAIN RELIEF)

