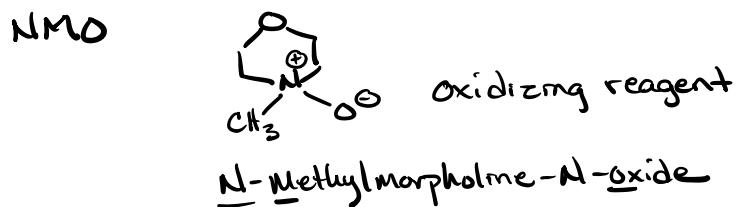
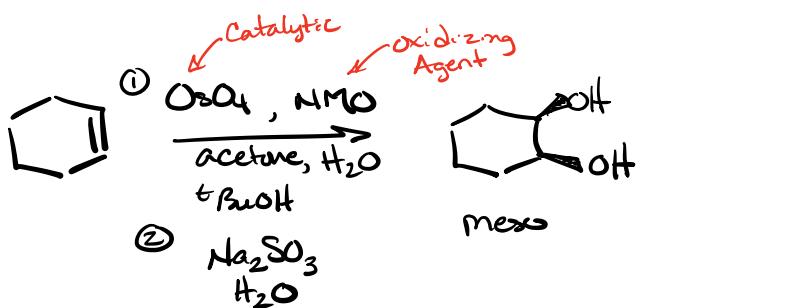
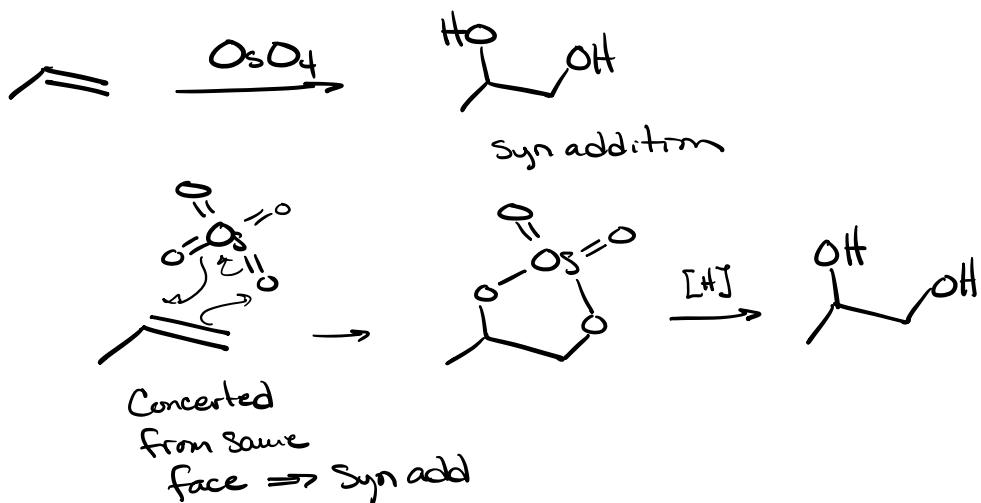
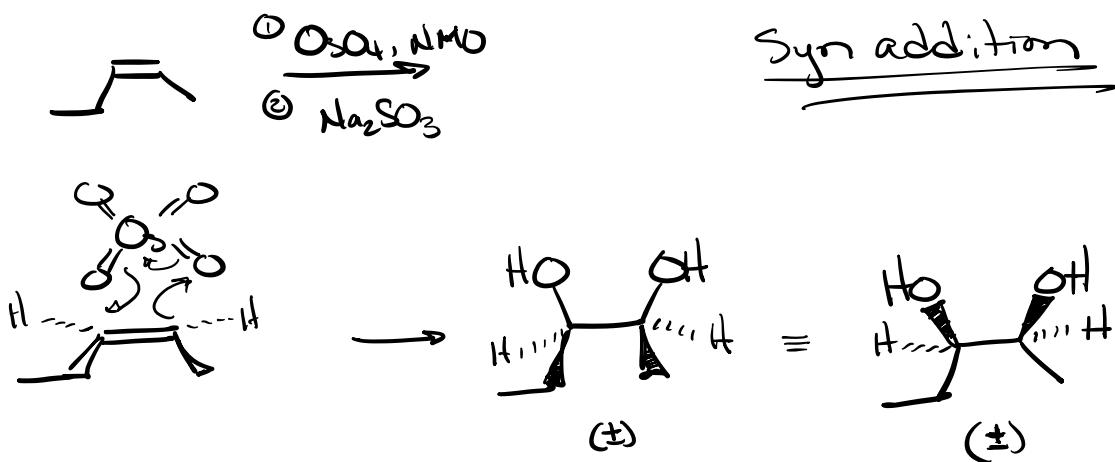
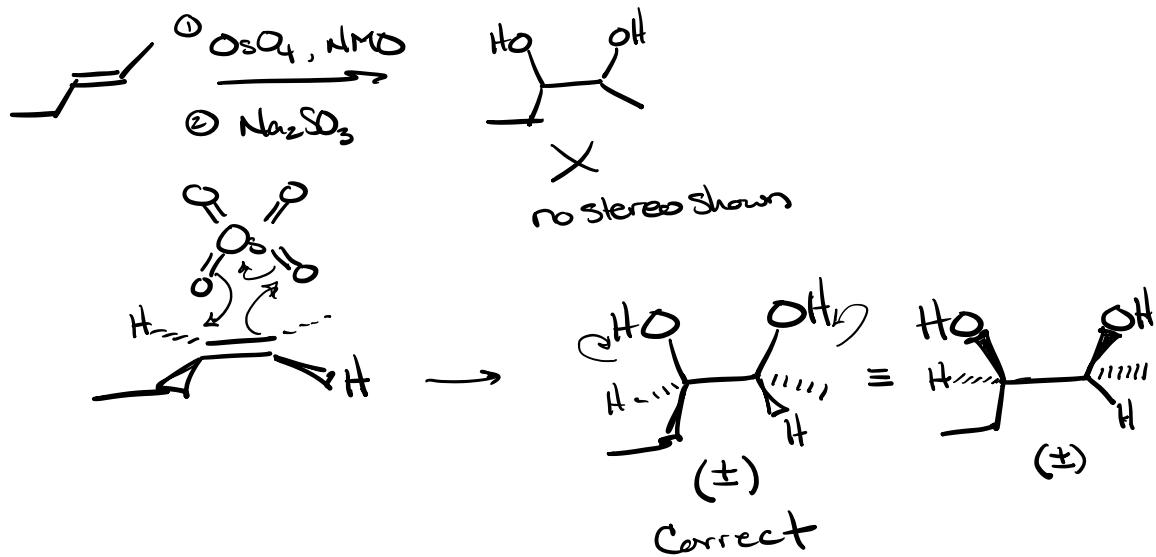


Alkene Reactions Continued

Dihydroxylation





Epoxidation

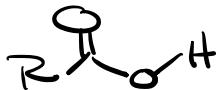
Formation of epoxide (Oxirane)



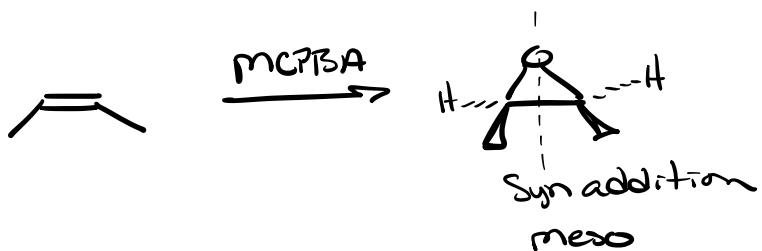
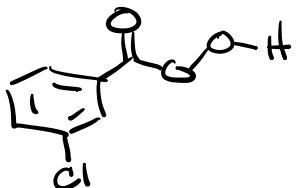
Peroxyacid



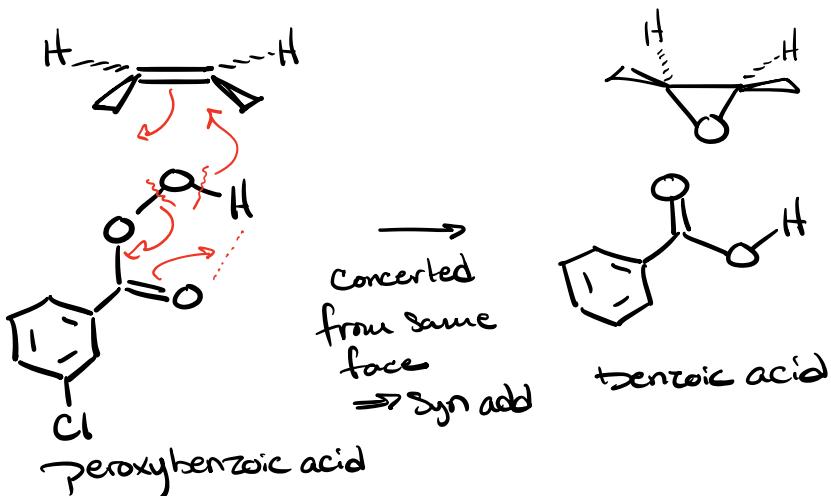
Carboxylic acid

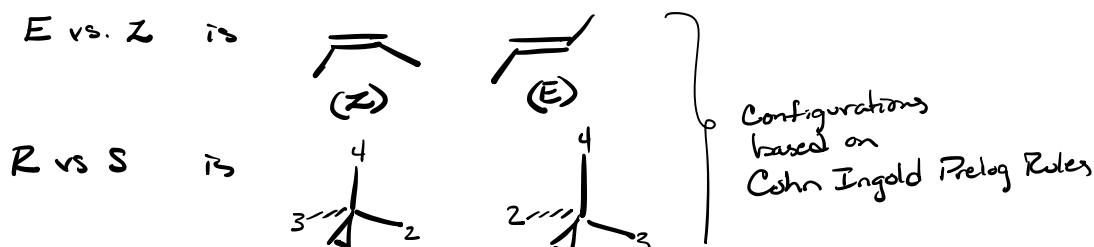
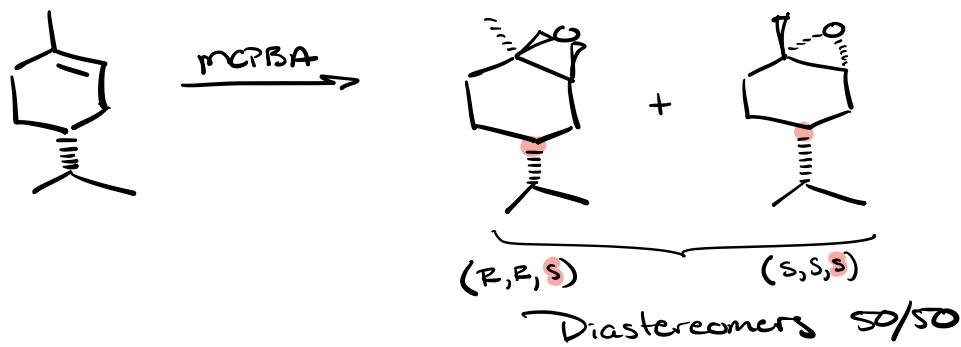


m-Chloroperoxybenzoic acid
(MCPBA)

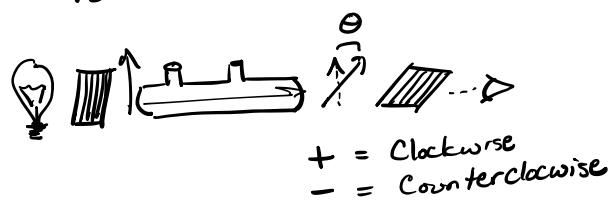


Mechanism



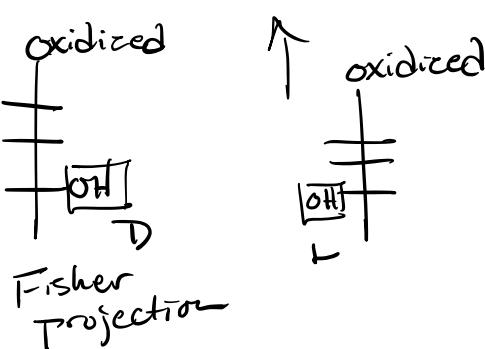


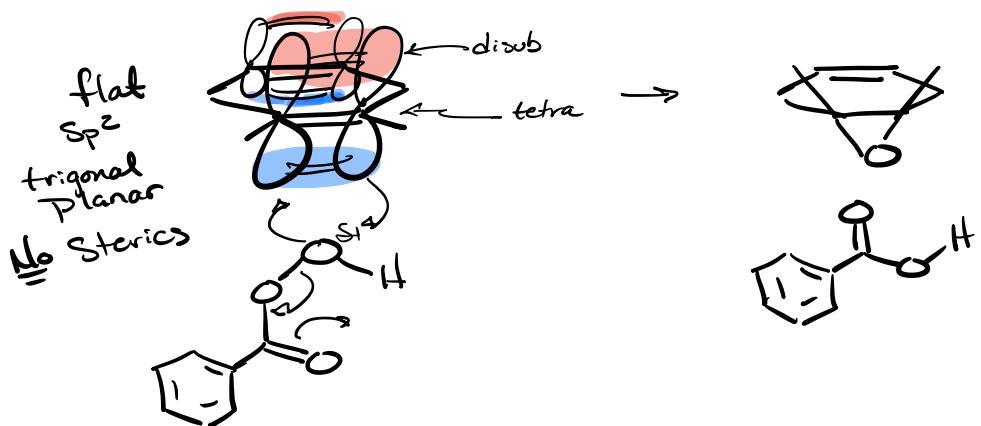
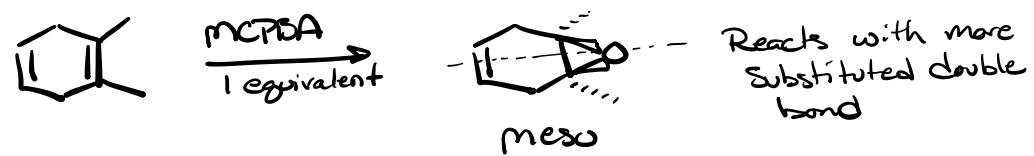
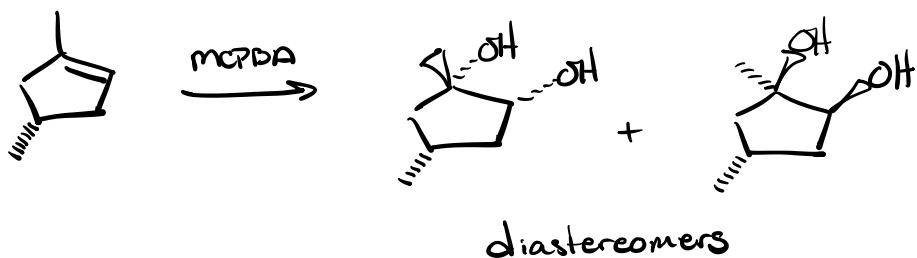
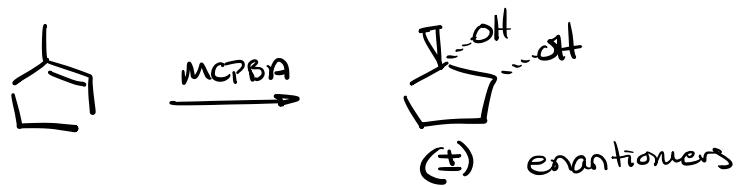
d l
+ vs. - is



D L

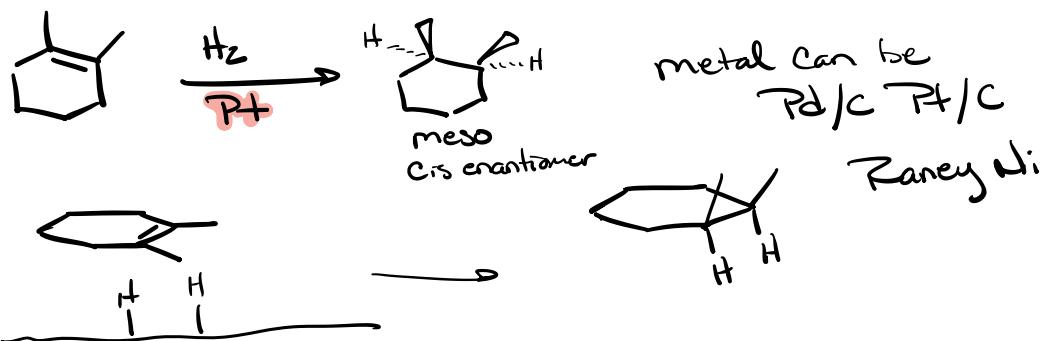
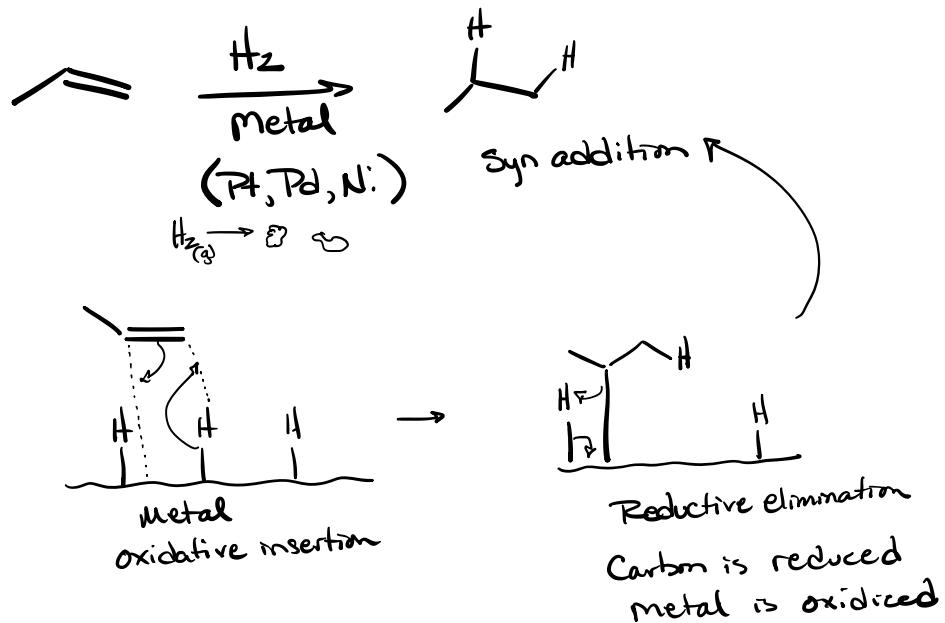
d l





more substituted the double bond
 \Rightarrow The more reactive the double bond is!

Catalytic Hydrogenation



Hydrogenated Fat (Margarine)

