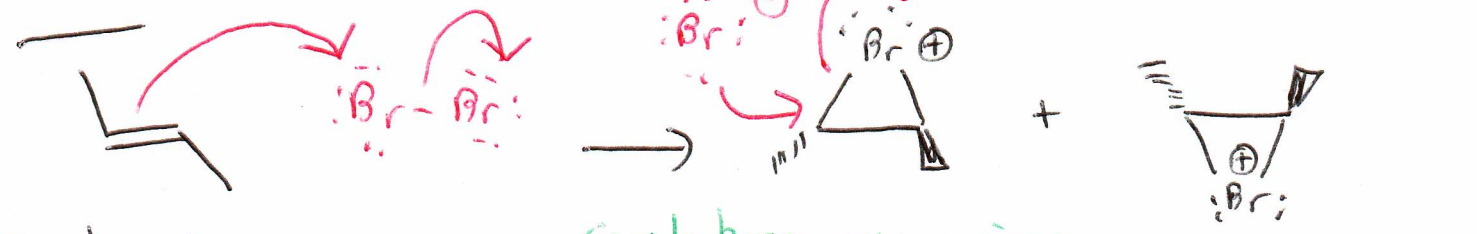
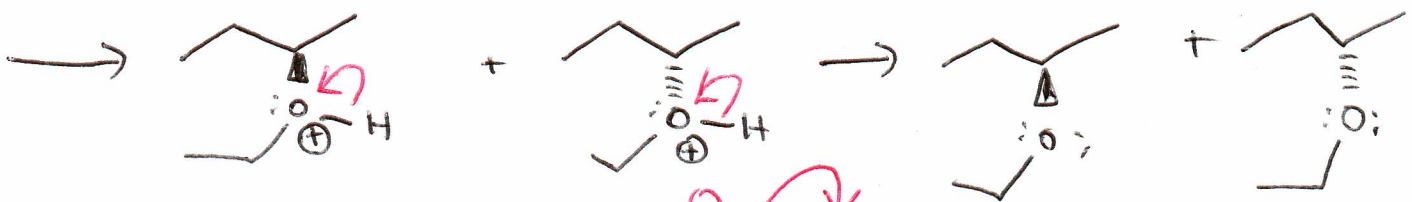
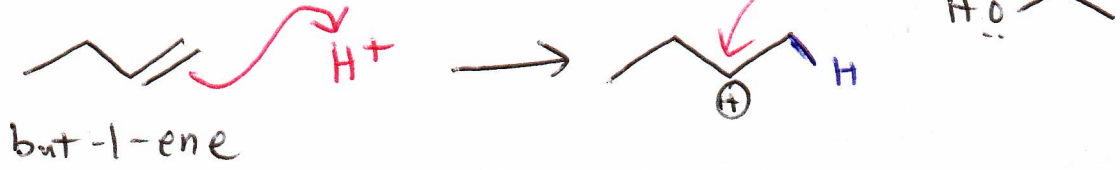


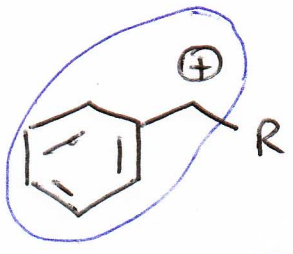
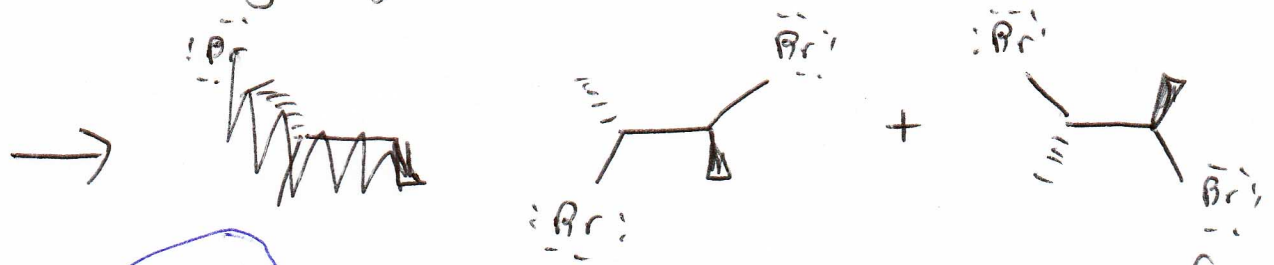
Electrophilic addition



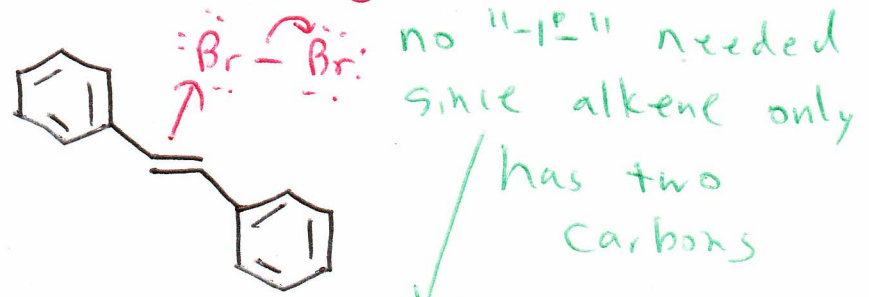
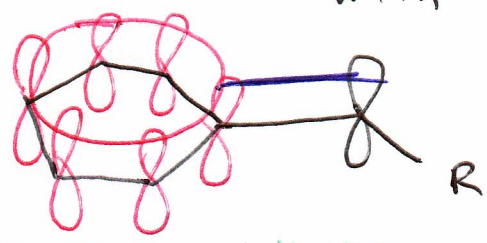
(E)-but-2-ene

cyclobromonium ion

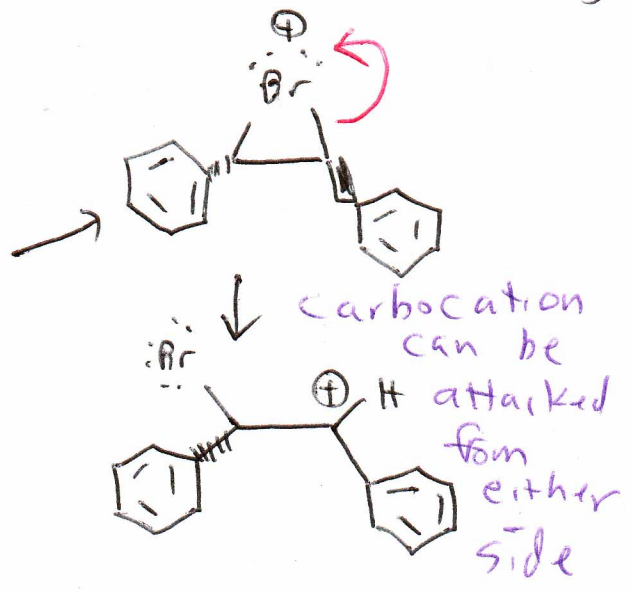
Bromine is being reduced from oxidation 0 to -1, which is favorable (Br_2 is acting as an oxidizing agent).



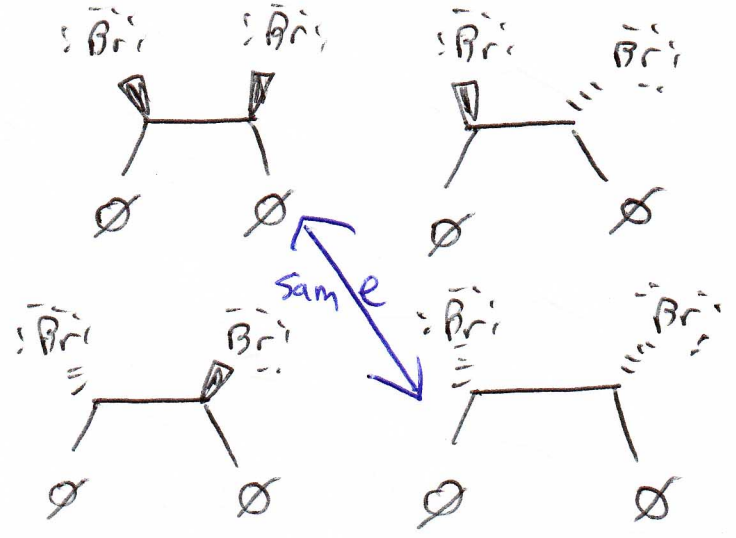
Benzyl carbocations can form even if they are primary due to conjugation with the neighboring benzene ring.



(E)-1,2-diphenylethene



→

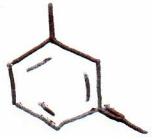


CH_3 - methyl

$-\text{CH}_2-$ methylene



para



meta



ortho

