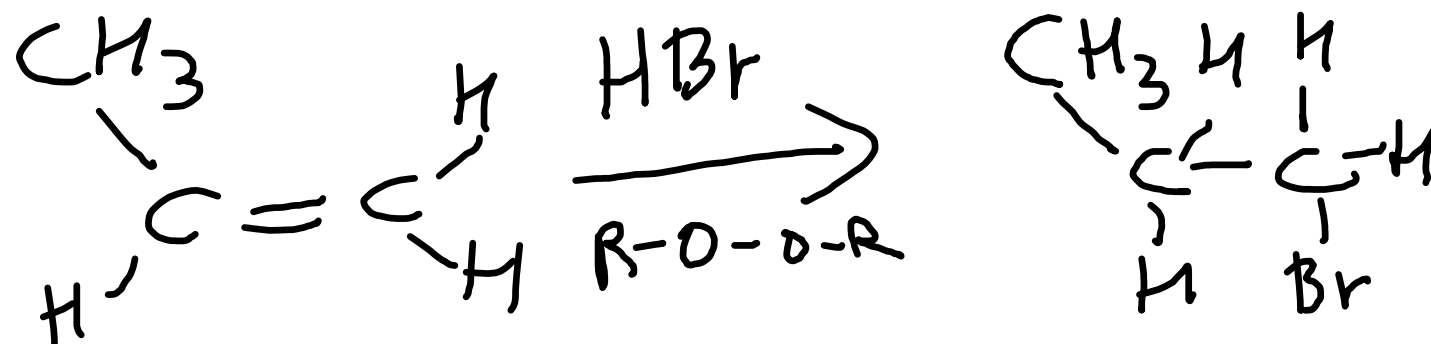
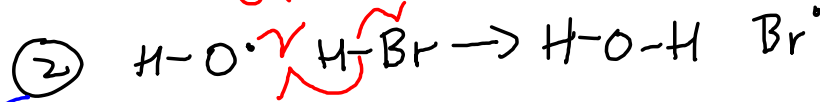
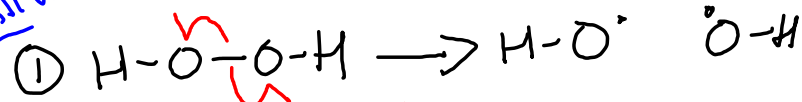


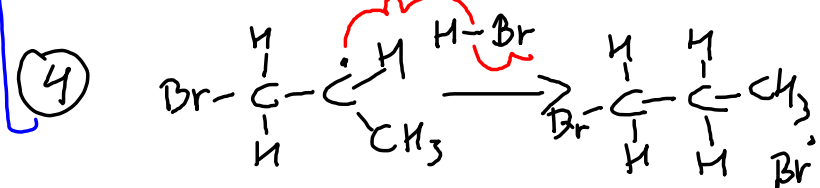
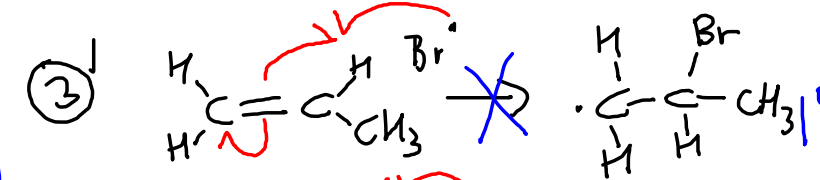
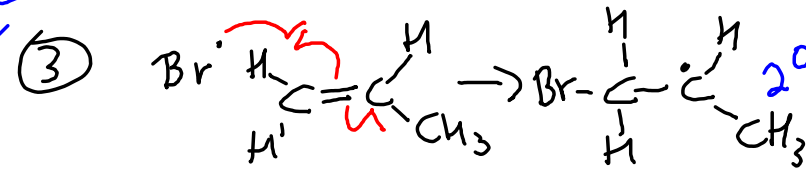
ANTI-MARKOVNIKOV ADDITION OF HBr



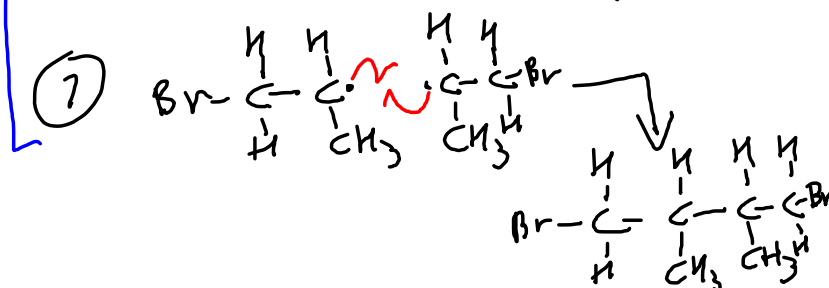
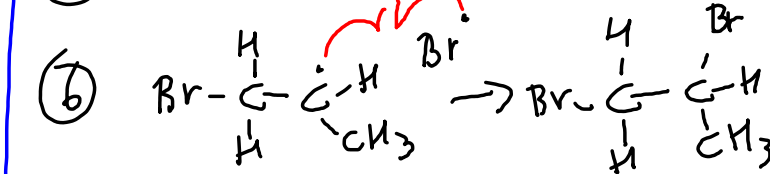
INITIATION



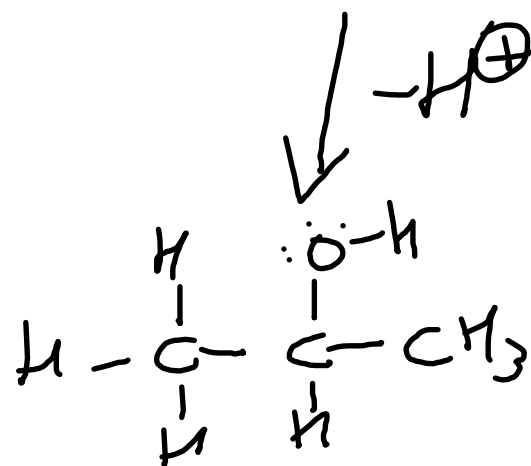
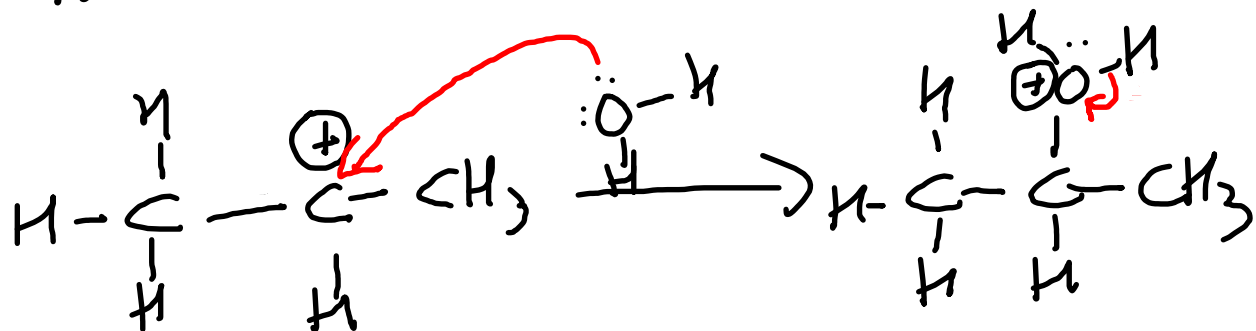
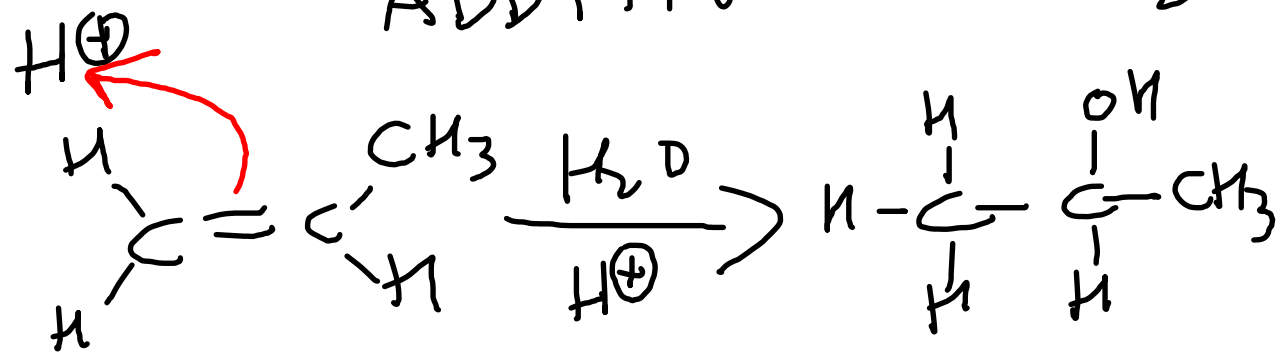
PROPAGATION



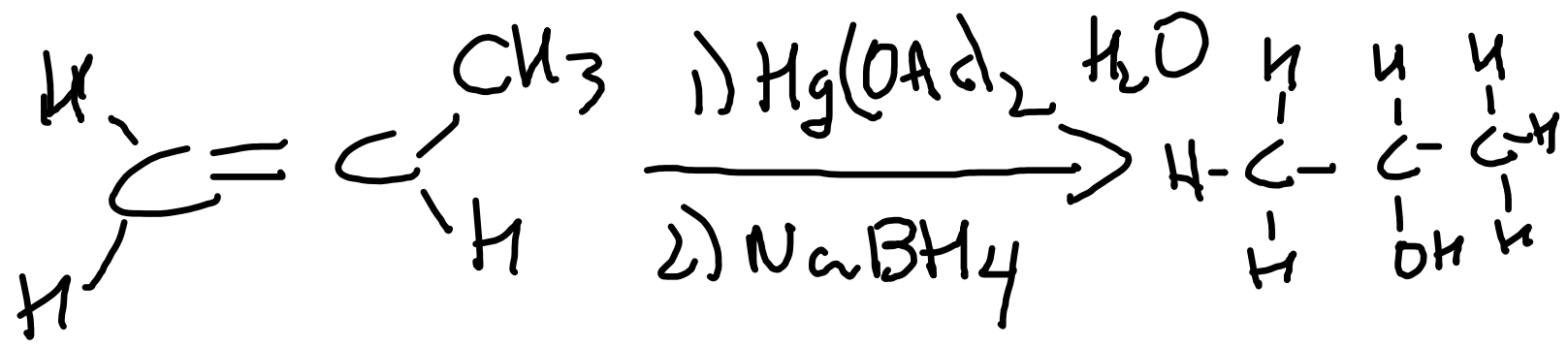
TERMINATION



MARKOVNIKOV ADDITION OF H₂O

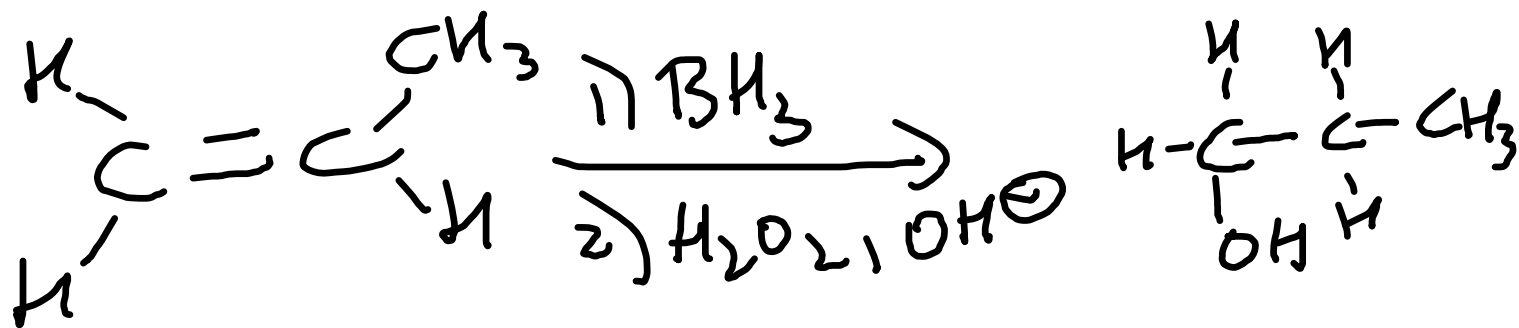


$\text{CH}_3\text{-CO}_2^-$ $\text{OAc} = \text{acetate}$

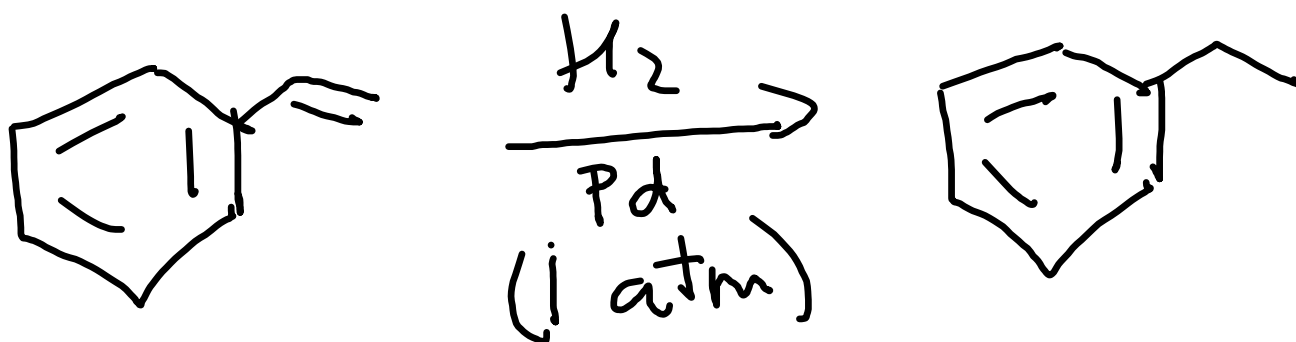
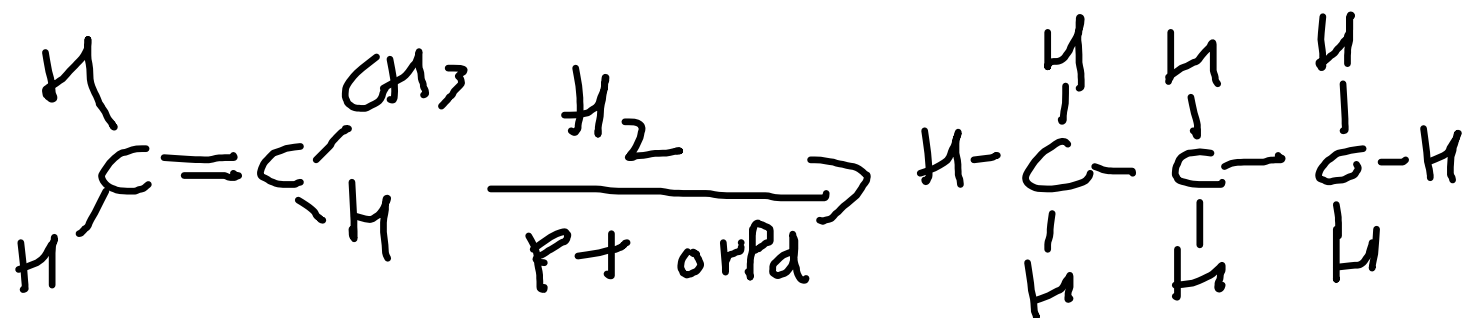


MARKOVNIKOV
ADDITION OF H_2O
WITH NO 1,2 SHIFTS
POSSIBLE

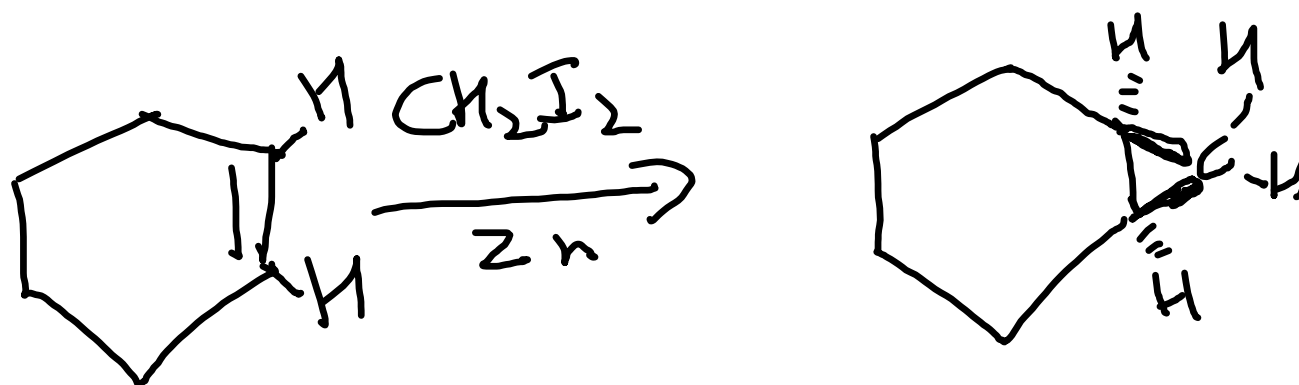
ANTI-MARKOVNIKOV ADDITION OF H₂O



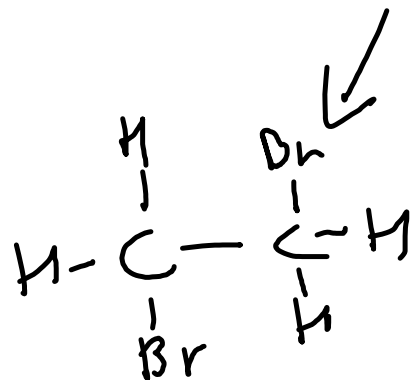
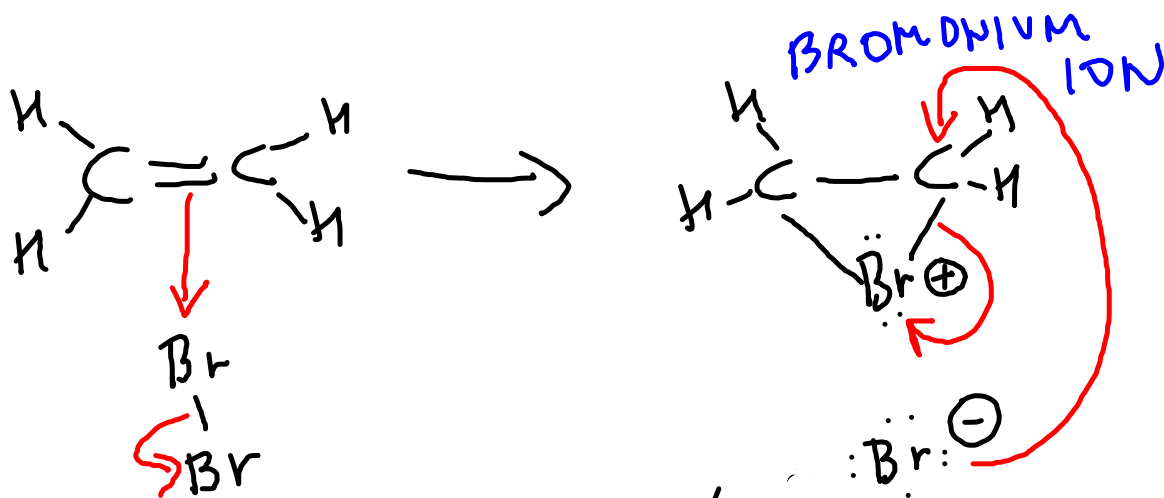
CATALYTIC HYDROGENATION

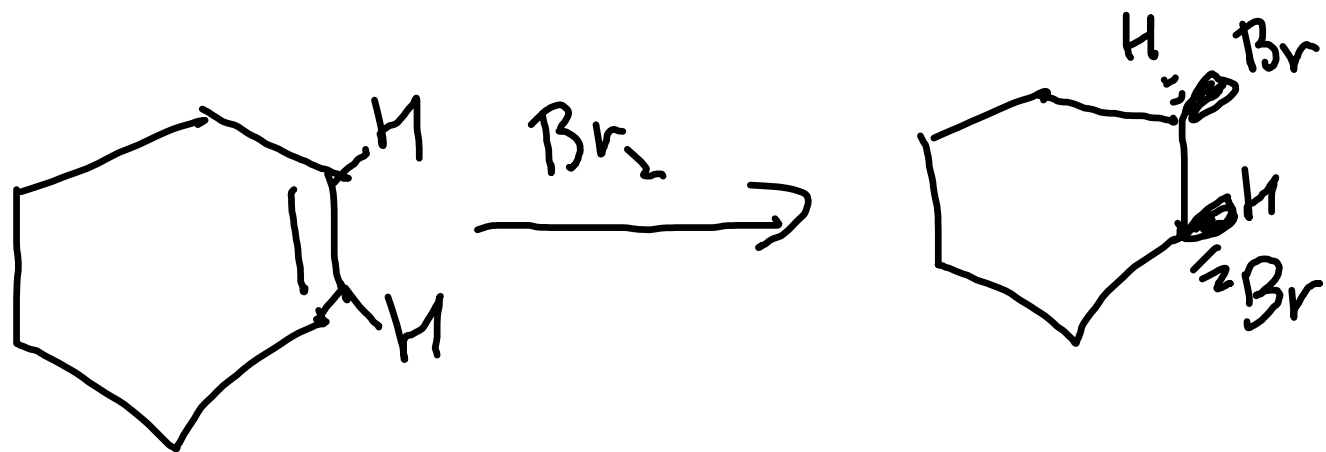


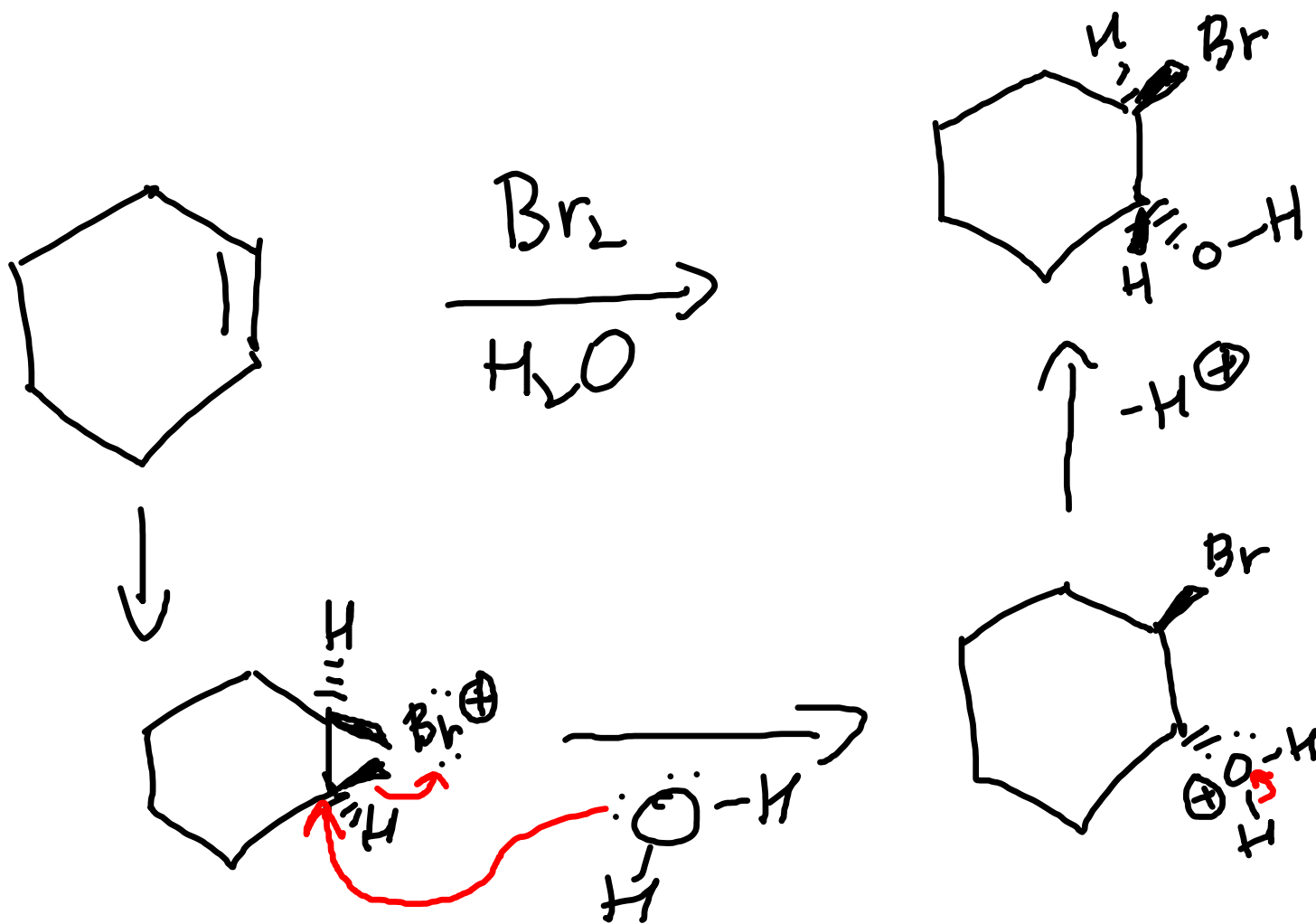
SIMMONS - SMITH REACTION



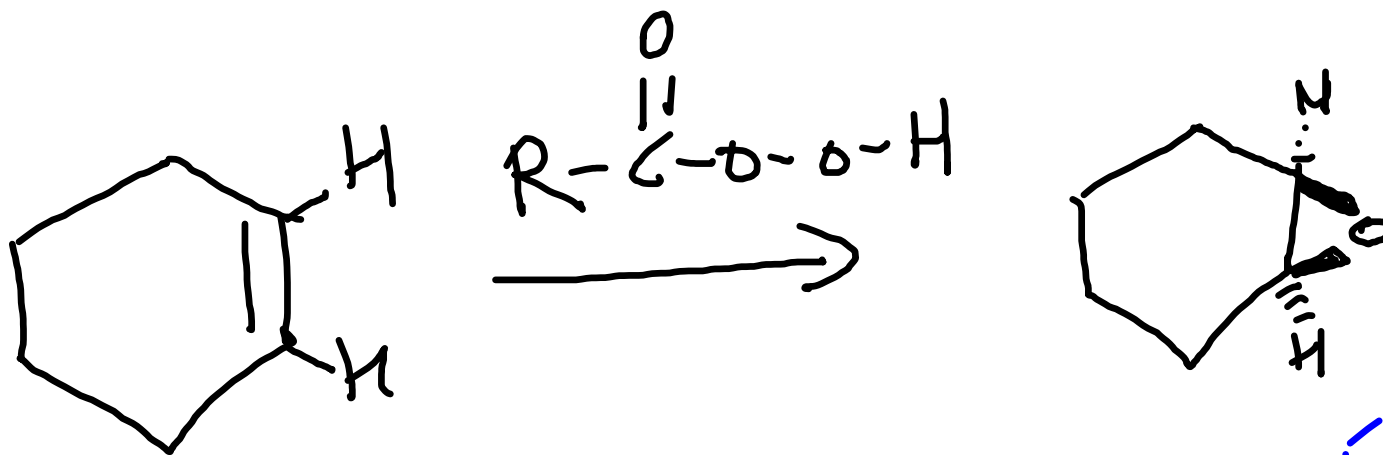
HALOGENATION







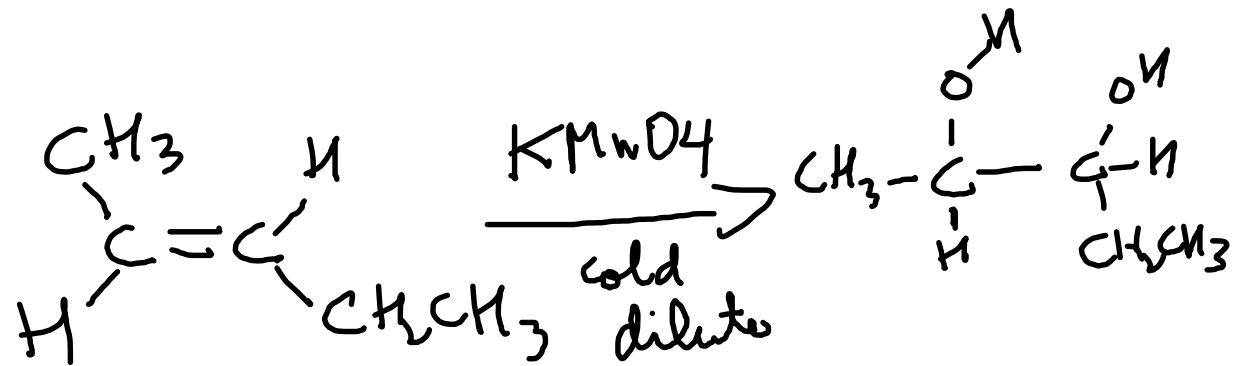
EPoxidATION



MCPBA

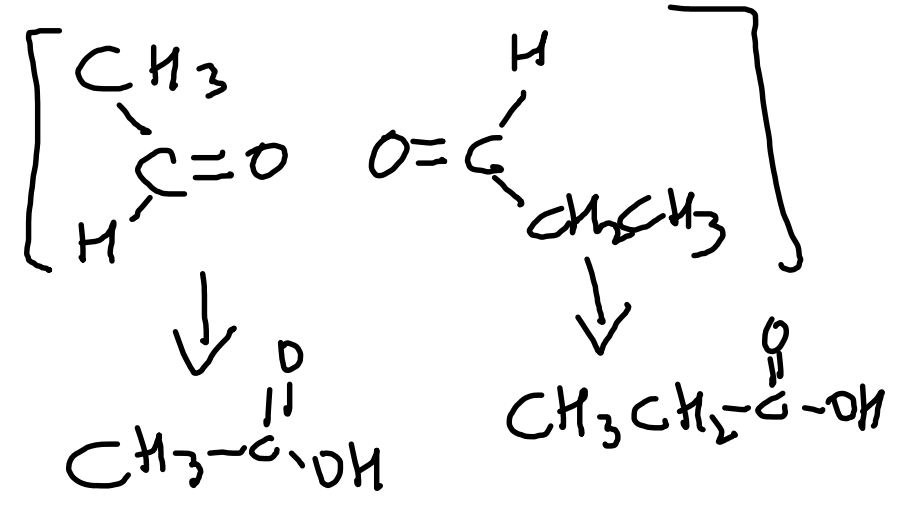


EPoxide



OR
OsO₄, H₂O₂

↓ KMnO₄
hot, conc.



OZONOLYSIS

