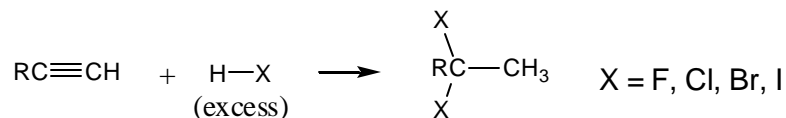
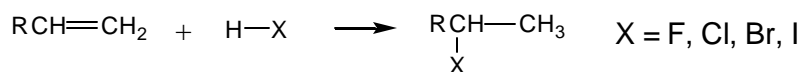


Important Reactions from Chem2310

I. Reactions of Alkenes and Alkynes

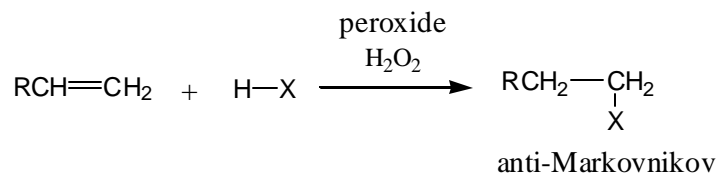
A. Electrophilic addition reactions:

1. Hydro-halo-addition: ionic mechanism

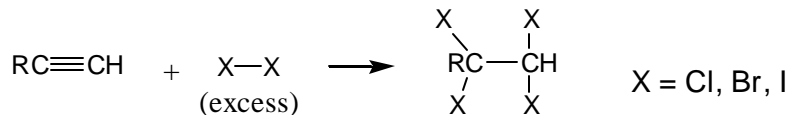
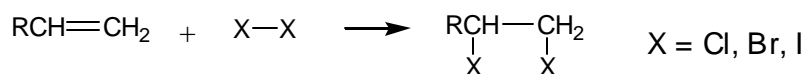


Markovnikov

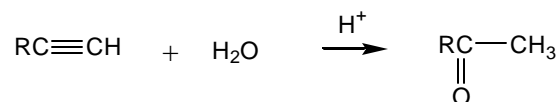
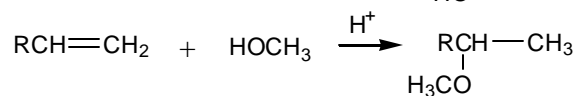
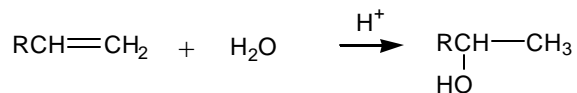
2. Hydro-halo-addition: radical mechanism



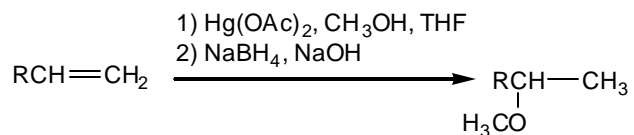
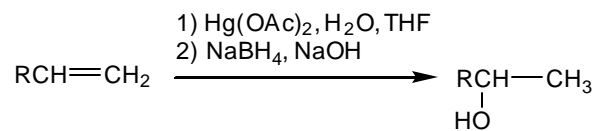
3. Halogenation



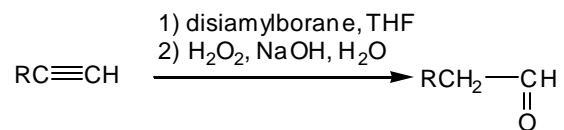
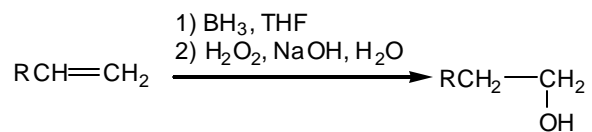
4. Addition of alcohol and water



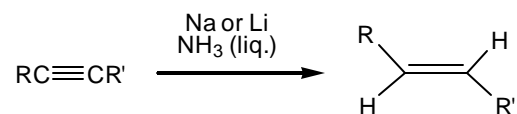
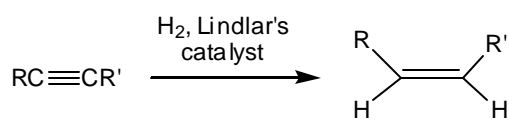
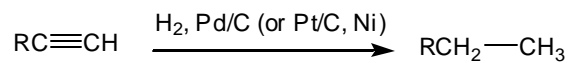
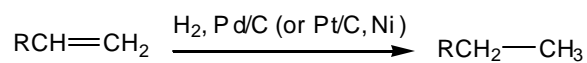
5. Oxymercuration



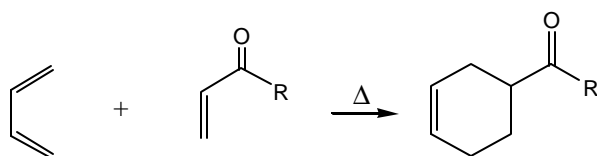
6. Hydroboration



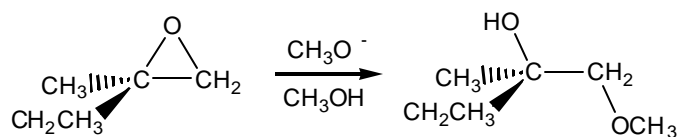
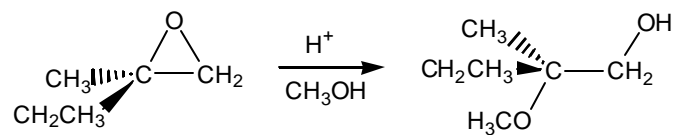
II. Hydrogenation/Reduction



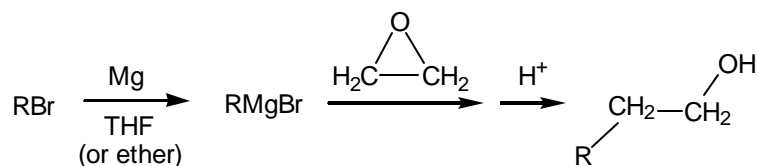
II. Diels-Alder reaction



E. Ring-opening Reactions of Epoxides



F. Reaction of Grignard Reagent with Epoxides (two-carbon extension)



VI. Reaction of Gilman Reagent

