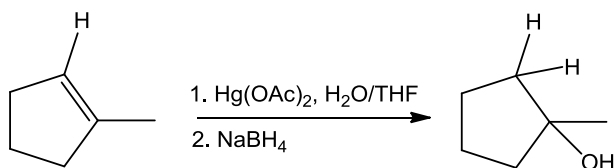


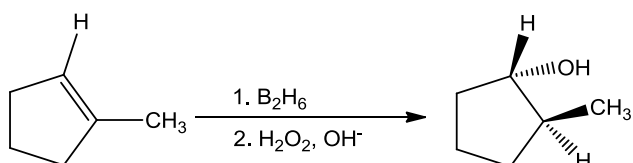
Functional Group Synthesis – CHEM 261

Alcohols

1. Oxymercuration

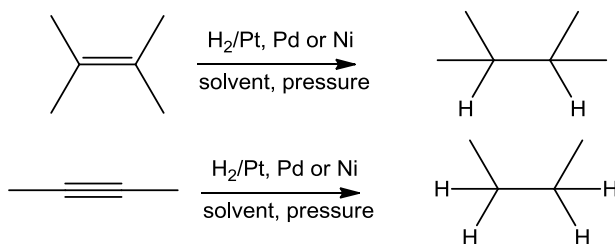


2. Hydroboration

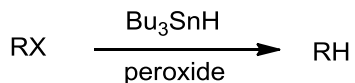


Alkanes

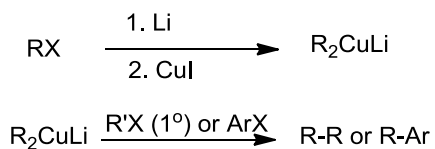
1. Catalytic hydrogenation of alkenes and alkynes



2. Reduction of alkyl halides

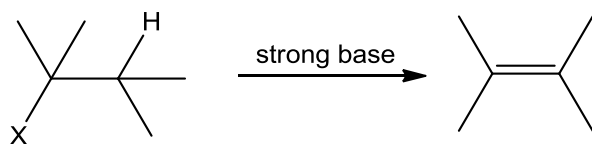


3. Corey - Posner, Whitesides – House synthesis

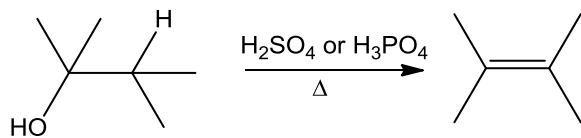


Alkenes

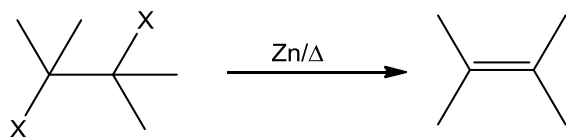
1. Dehydrohalogenation of alkyl halides



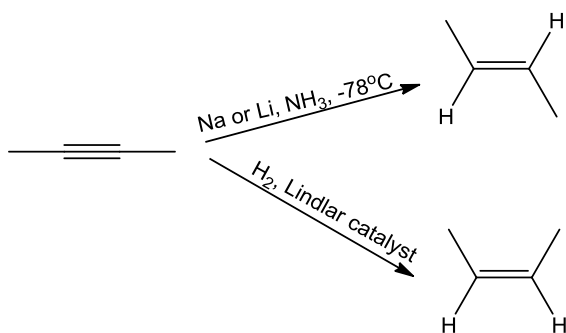
2. Dehydration of alcohols



3. Dehalogenation of vicinal dihalides

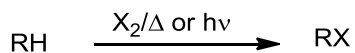


4. Hydrogenation of alkynes

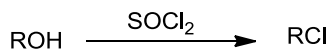


Alkyl halides

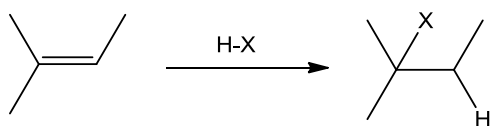
1. Halogenation of alkanes



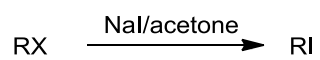
2. From alcohols



3. From alkenes



4. Finkelstein reaction



Alkynes

1. From vicinal dihalides

