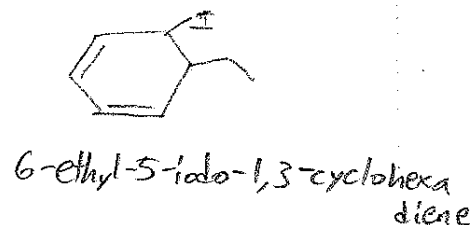
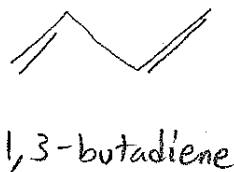
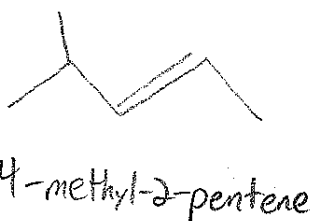
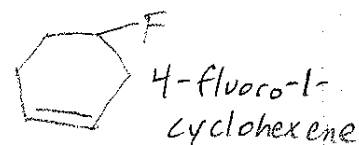
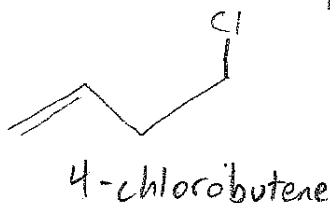
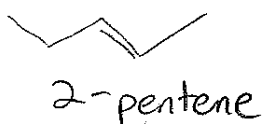


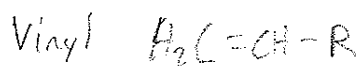
Naming Alkenes

- Double bond takes priority
- Add -ene suffix

- Cis same side
- trans opposite sides

Alkenyl Groups

Allylic ions most stable

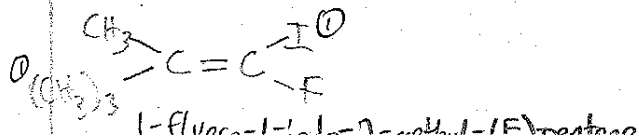
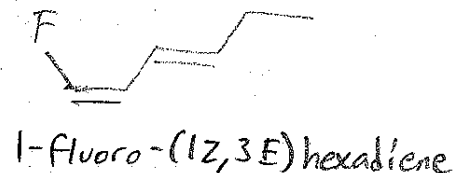
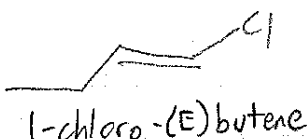
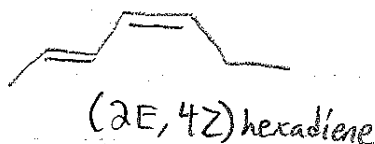


Vinyl cations

E,Z Naming

- Requires 3(+) unique substituents
- Z same side, E opposite side

• Follow Cahn-Ingold-Prelog Rules

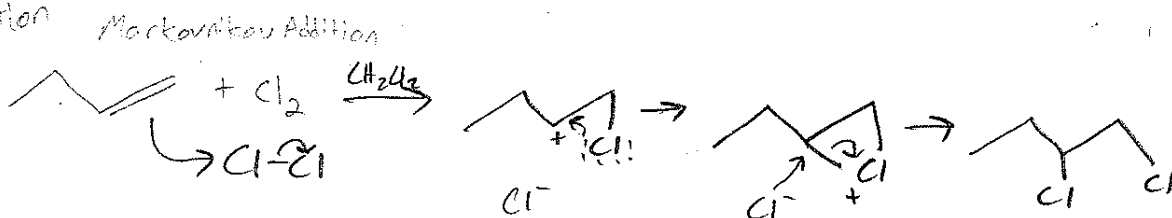


Reactions of Alkenes

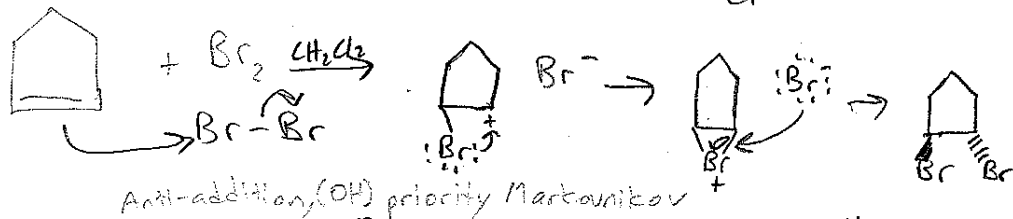
- π bond acts as nucleophile
- Electron rich to electron poor movement

*Consider stability

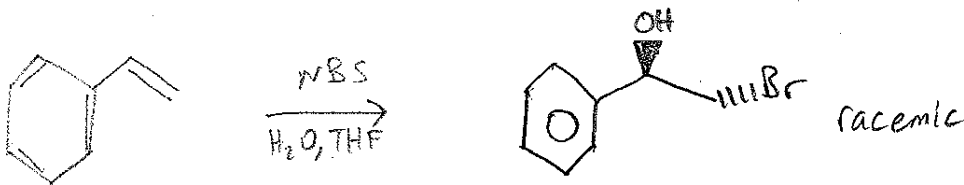
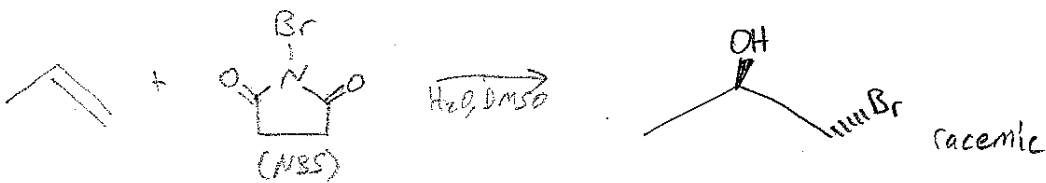
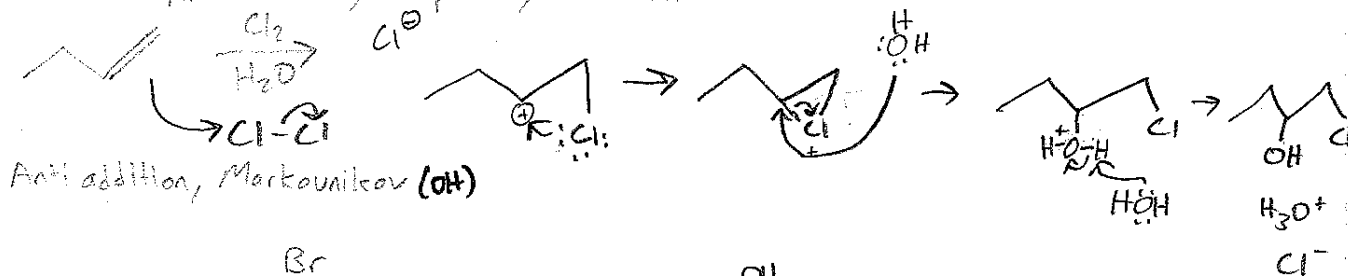
Halogenation



Halohydrin Formation



NBS Addition



Determine the reactant below:

