

Points of Emphasis CHM 227

Draw double, triple bonds

Draw carbocations, including allylic

Lewis structures and common bonding patterns

Acidity, acid base pairs

Polar bonds and polar molecules

Functional groups, with proper Lewis structures

Newman and Haworth projections

Cyclohexane chair drawings

Drawing R and S, wedge and dash, Fischer projections

Acetylides as nucleophiles

Oxidations and reductions

Alkene addition reagents

Mechanisms (all with stereochemical consequences)

- S_N1 , S_N2 , E1, E2
- Electrophilic addition to alkenes, alkynes (Markovnikov or not)
- Cyclic bromonium