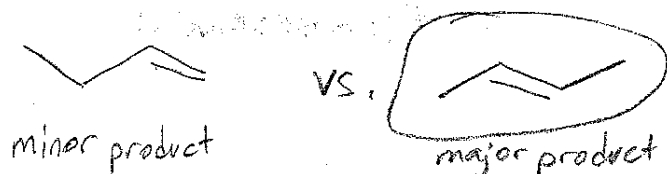


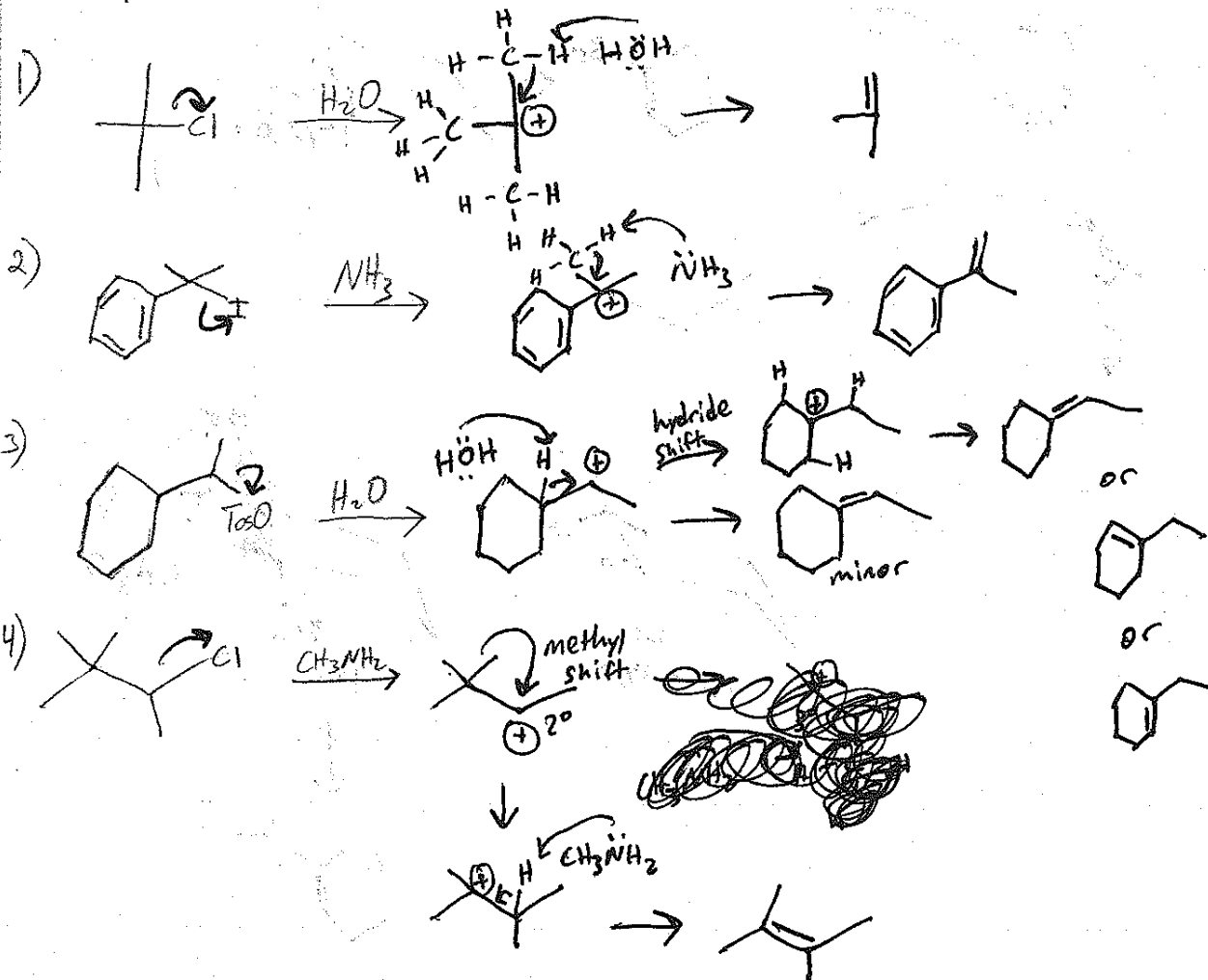
Elimination

- Generation of an alkene
- Zaitsev's Rule: more substituted, internal double bond is preferred



E1

- Formation of carbocation
- Follows Zaitsev's Rule
- Protic, polar solvents
- $3^\circ > \text{allylic} = \text{benzylic} = 2^\circ$
- Favored by weak base
- Rate = $k [R-X]$



E2

- Rate = $k[R-X][\text{Nuc.}]$
- Strong base preferred
- Polar aprotic solvents favored

- $3^\circ > 2^\circ > 1^\circ$
- Requires Hydrogen to be 180° (anti) to leaving group
* H must be axial

Stereospecific Product

- bulkiest groups on opposite sides
- If 2 H's on carbon, both E+Z can result

