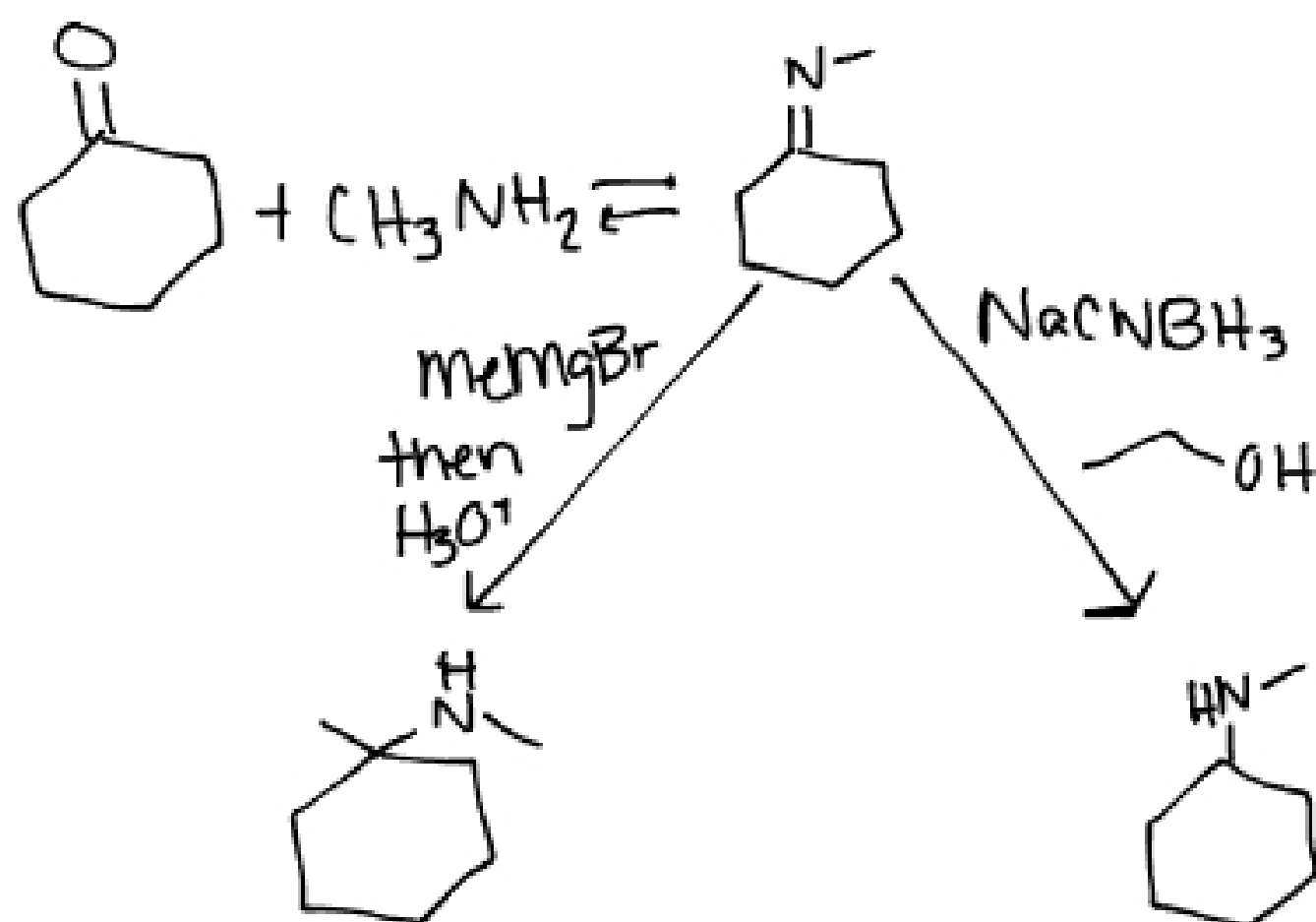
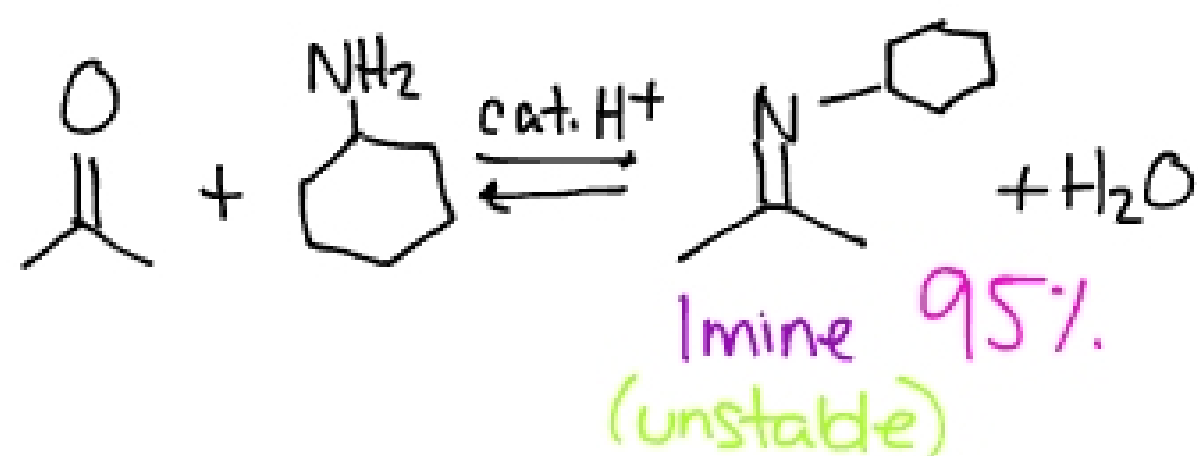
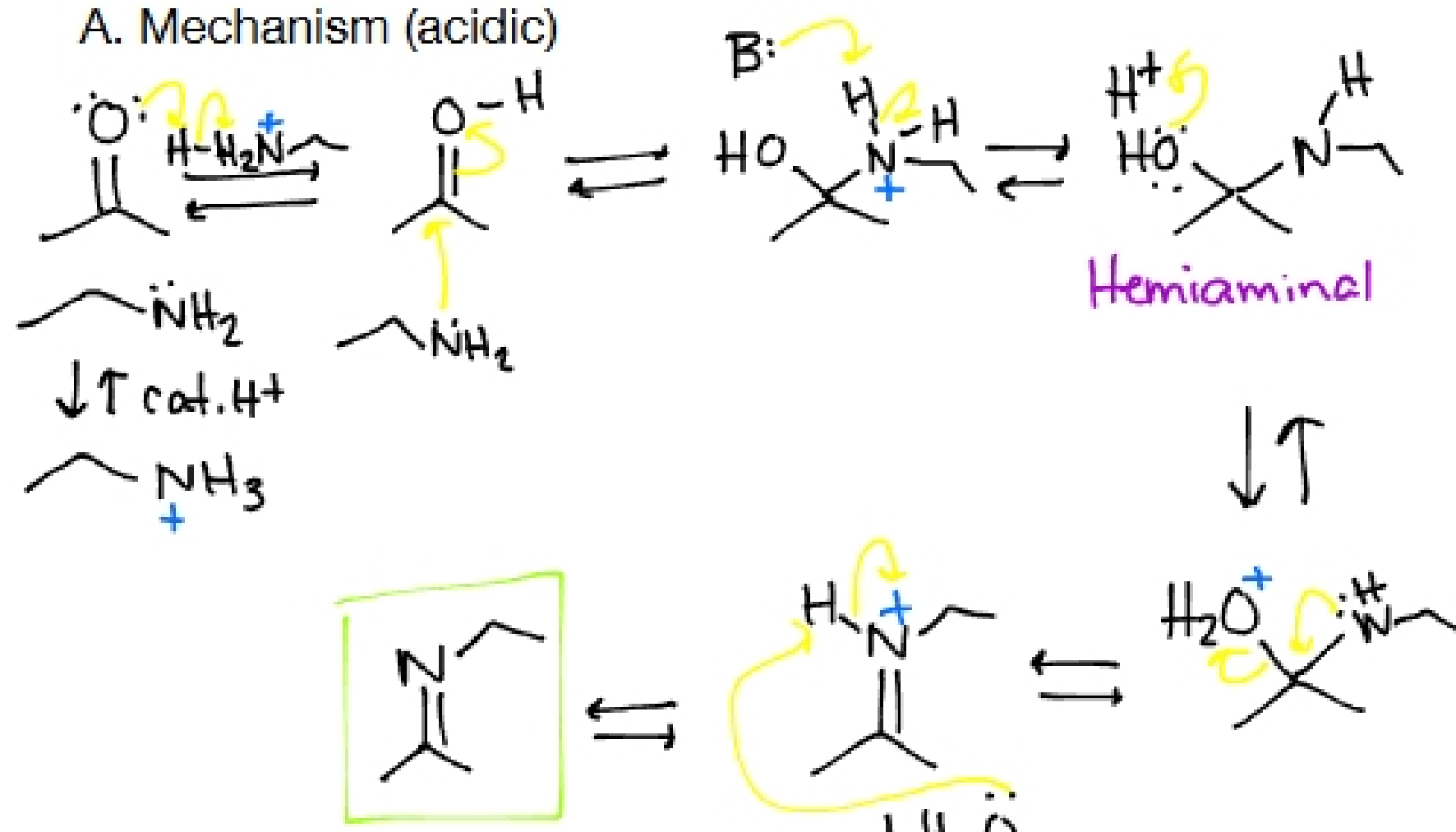


V. Addition of Amines and Ammonia (17-9)

1. Imines: condensation reaction with a primary amine (or NH₃)



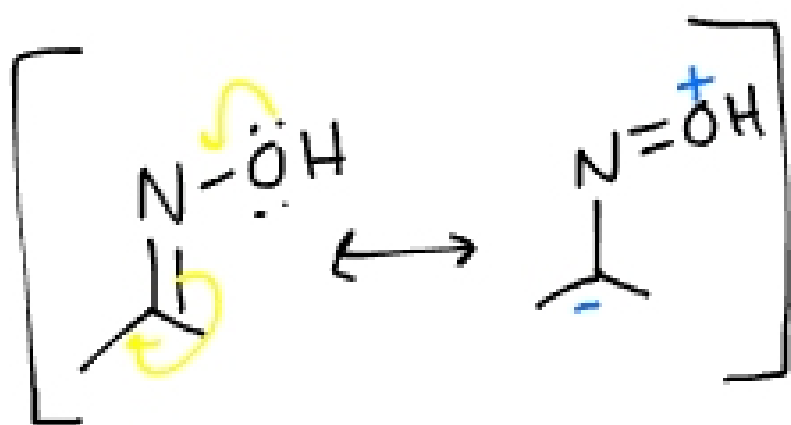
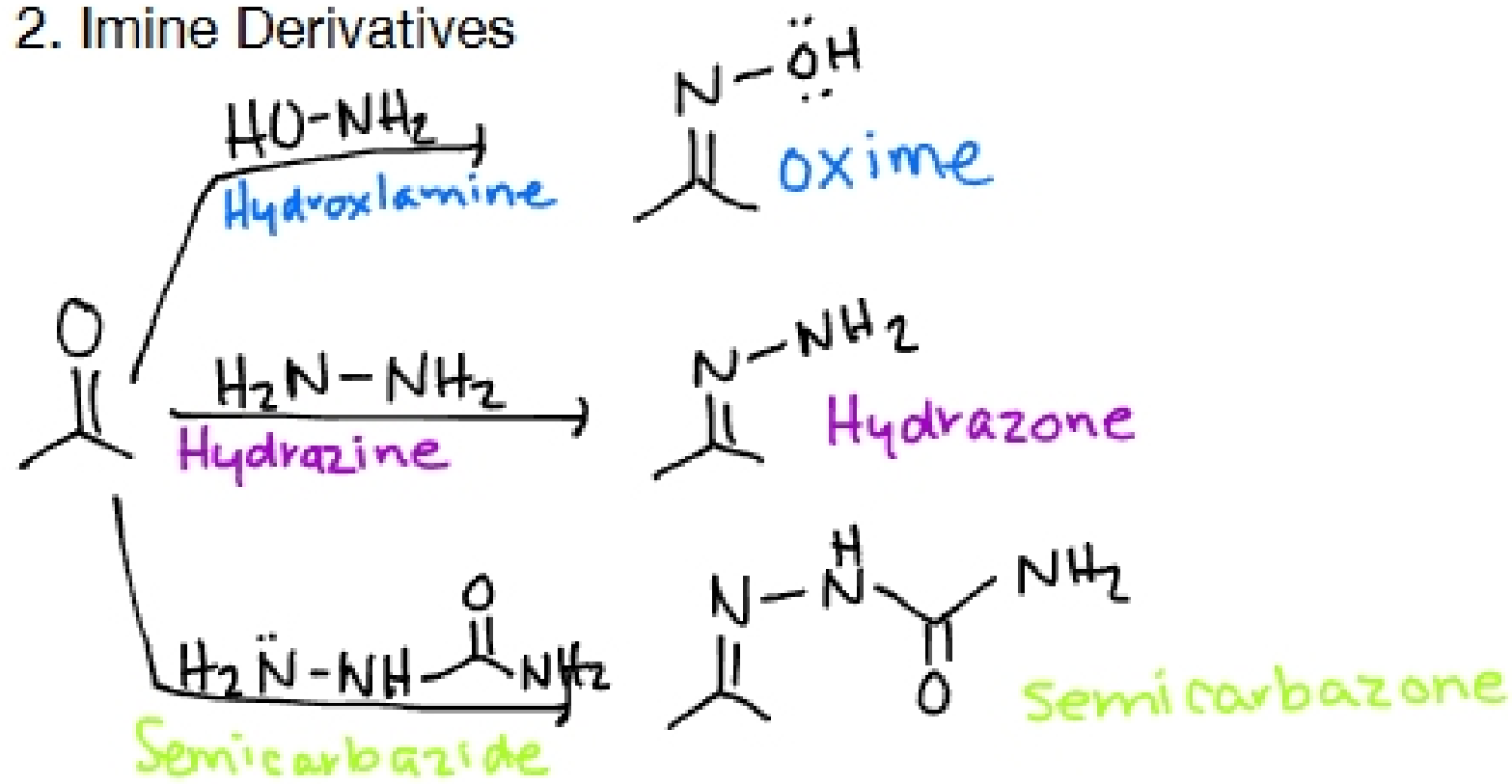
A. Mechanism (acidic)



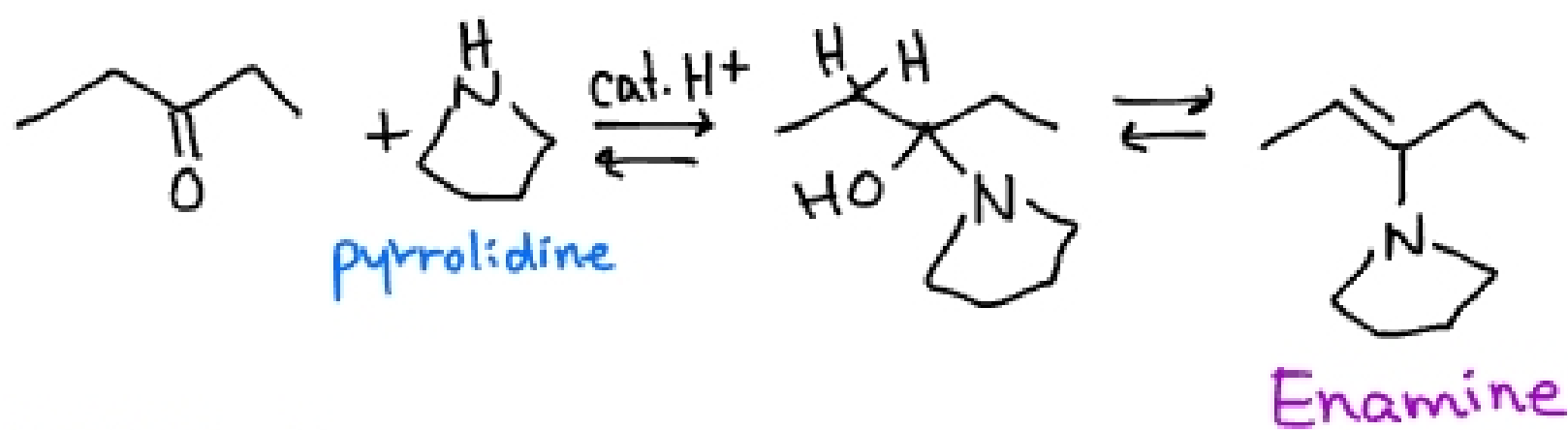
Imine

T π₂U

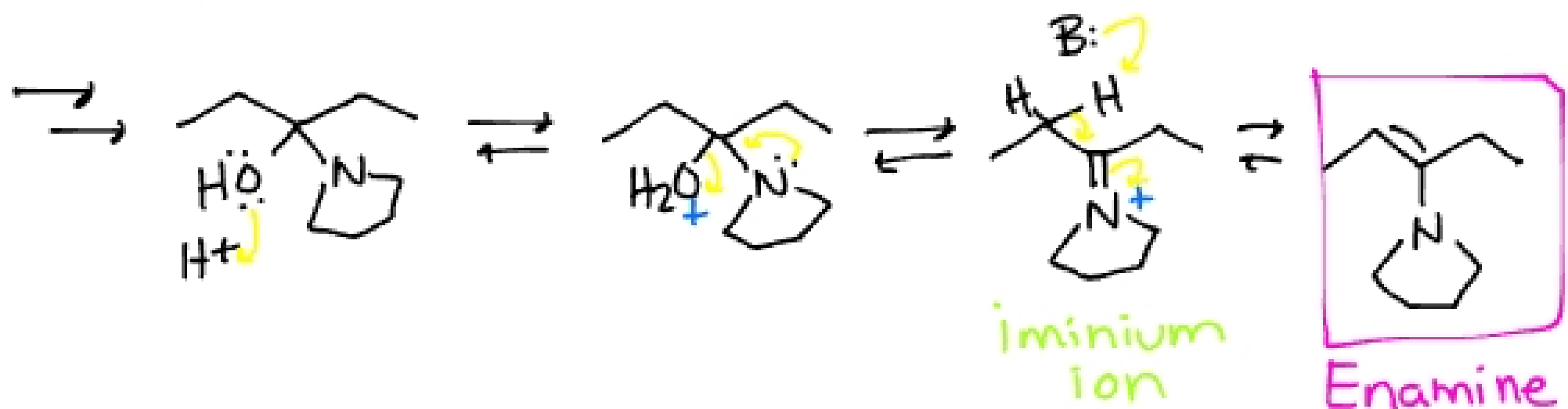
2. Imine Derivatives



3. Enamines: reaction with a secondary amine



B. Mechanism



C. Useful alkylating agents (18-4)

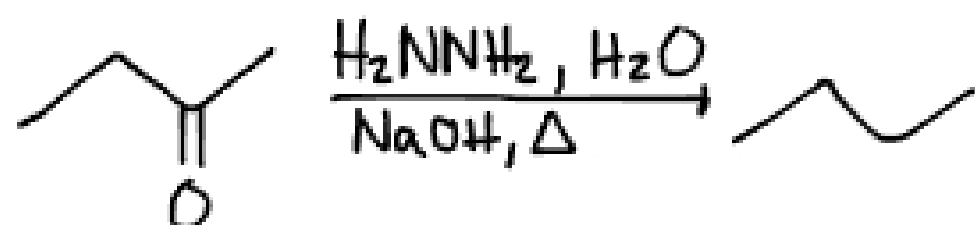


4. Tertiary amines will not react



VI. Other reaction of carbonyls

1. Wolff-Kishner Reduction (17-10)



Or. diethyleneglycol (solvent)
- then H₂O

A. Mechanism

