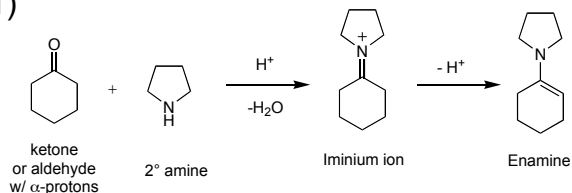
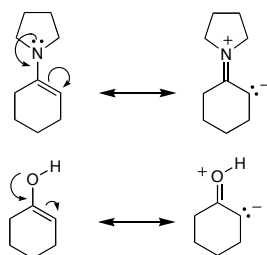


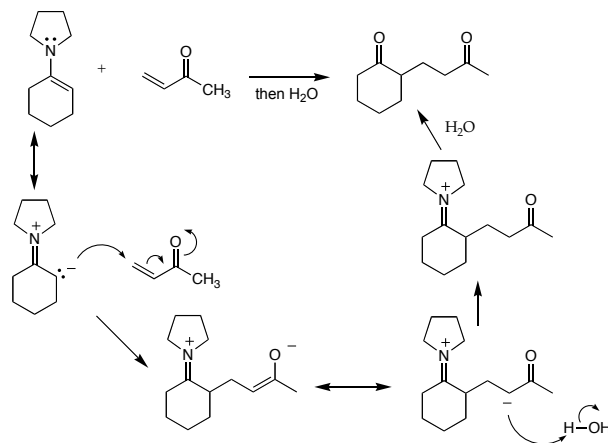
Synthetic Applications of Enamines (p.960). Recall that the reaction of a ketone with a 2° amine gives an enamine (Ch. 17.11)



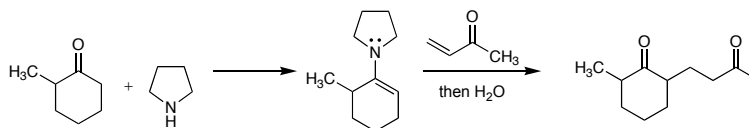
Enamines are reactive equivalents of enols and enolates and can undergo α-substitution reaction with electrophiles



Reaction of enamine with α,β-unsaturated ketones (Michael reaction).



Enamines react on the less hindered side of unsymmetrical ketones



Type II Aldolase uses enamine chemistry

