Today

Chemoselective and Reductions
Sections 16.7

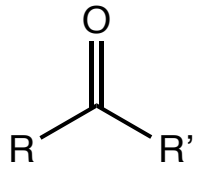
Reactions with Nitrogen Nucleophiles
Section 16.8

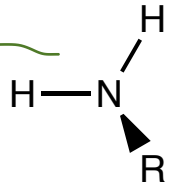
Next Class

Reactions with Oxygen Nucleophiles
Section 16.9

Protecting Groups
16.10

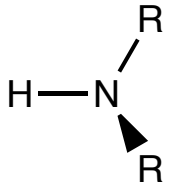
Rework Test 2 by Wednesday, April 6



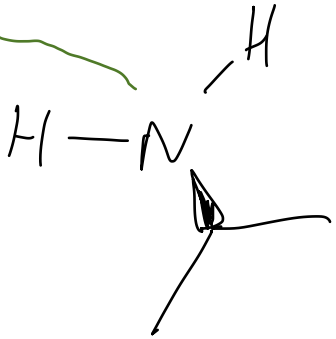


this is a primary amine

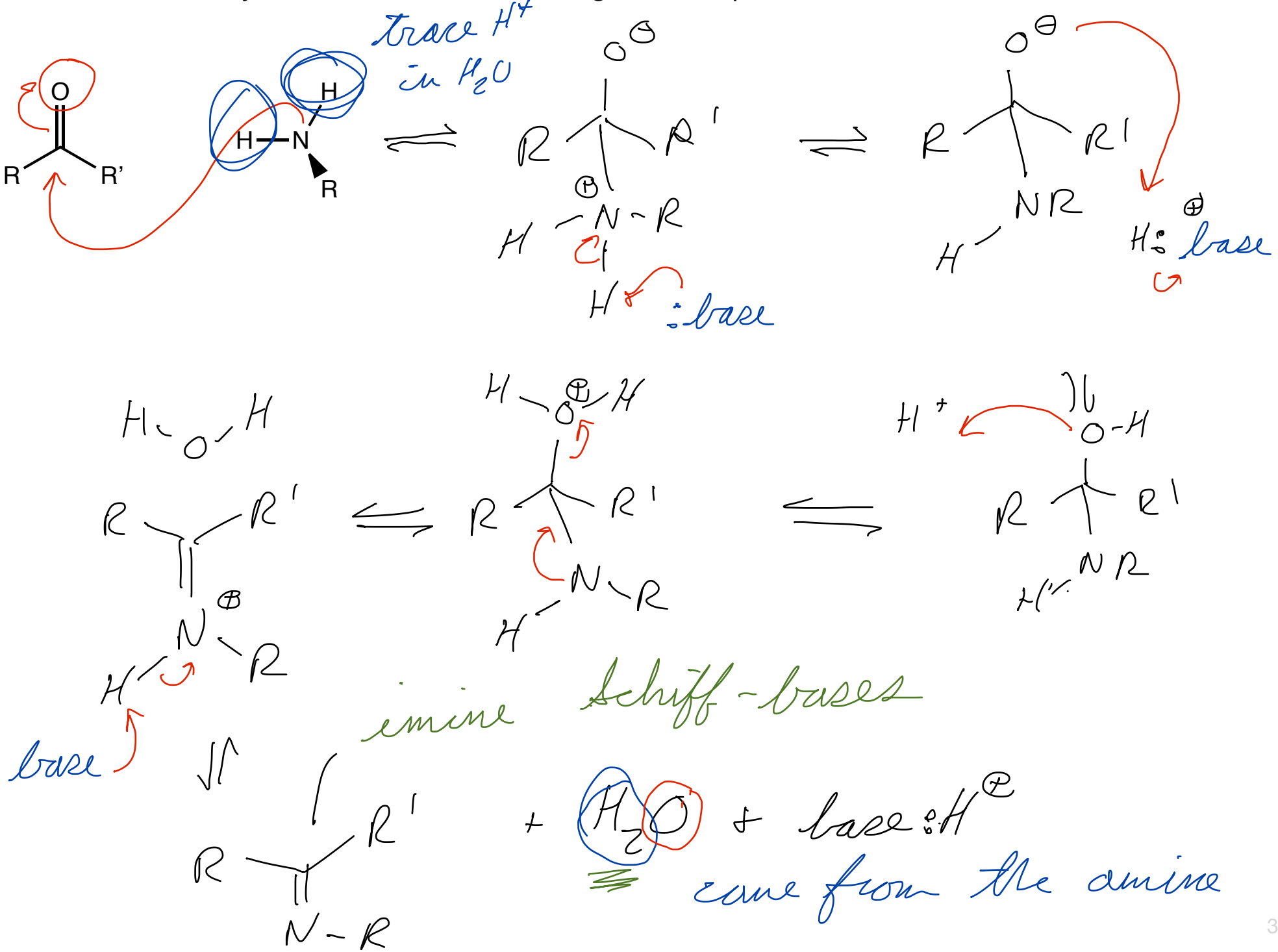
number of H atoms will be important

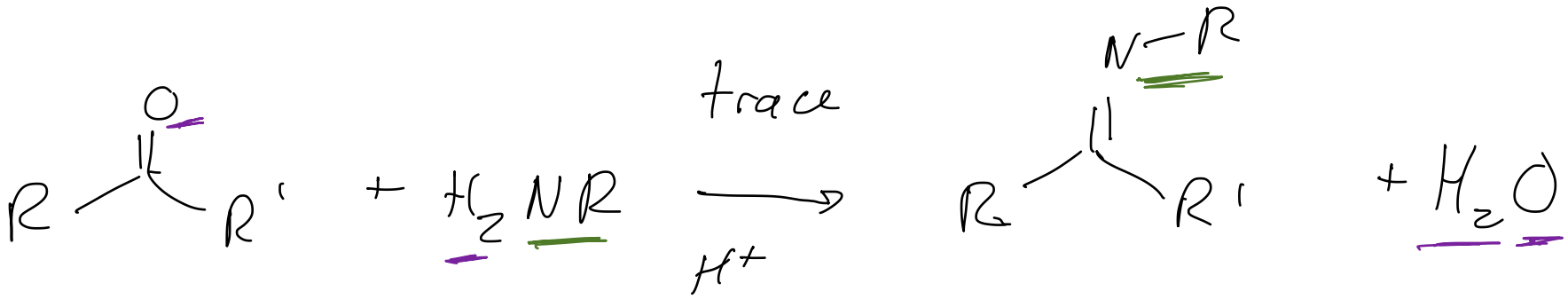


this is a secondary amine

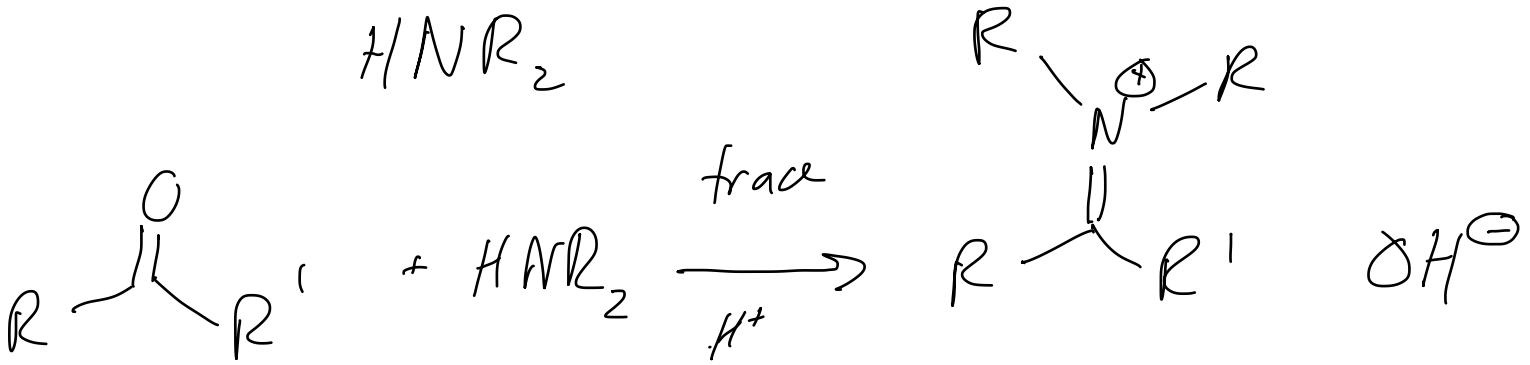


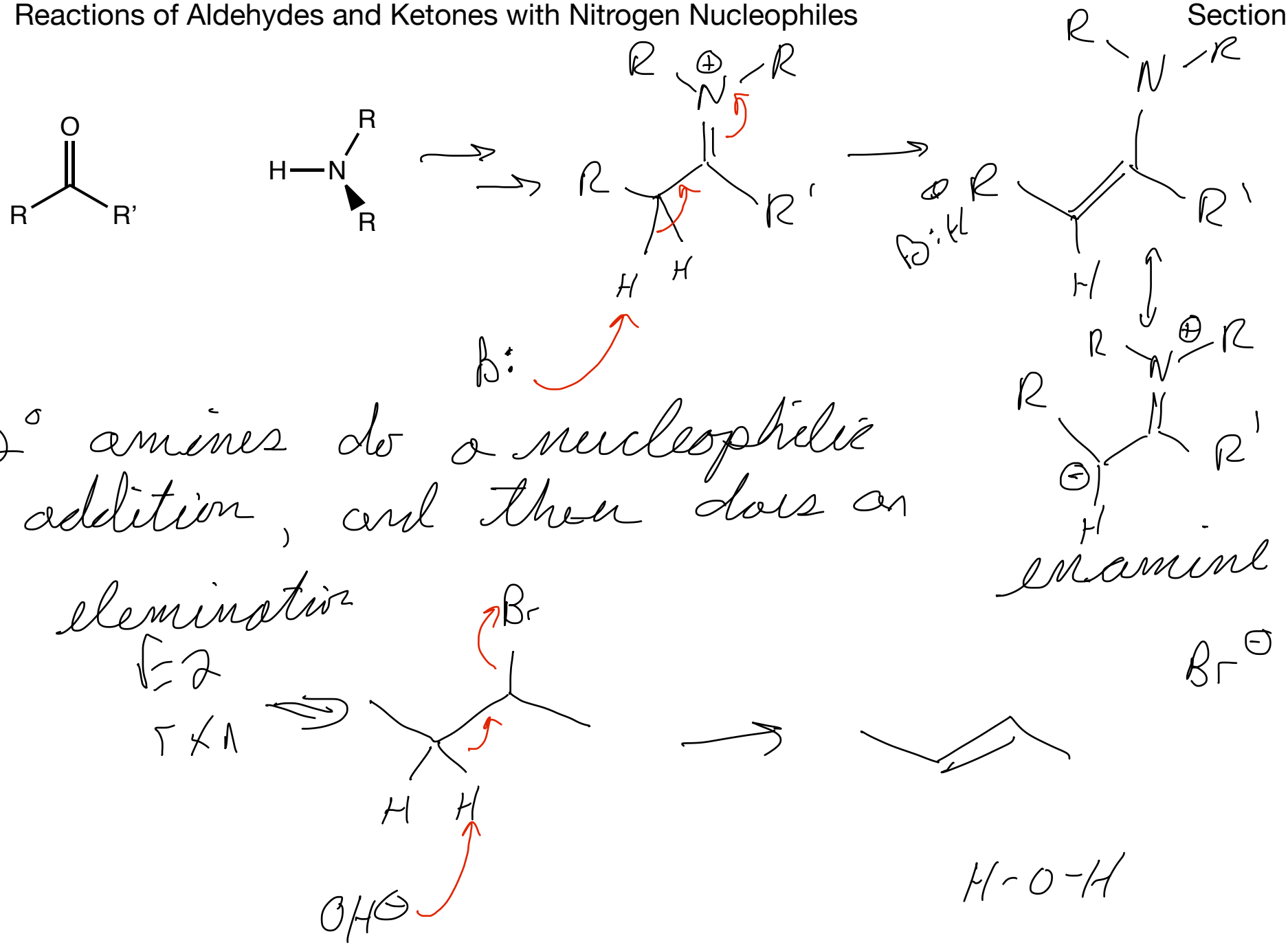
tertiary amines cannot do what we are doing here


trace H+
in H2O
base
base
base
imine
Schiff-bases
+ H2O + base:H⊕
came from the amine



Can a secondary amine do the same reaction?

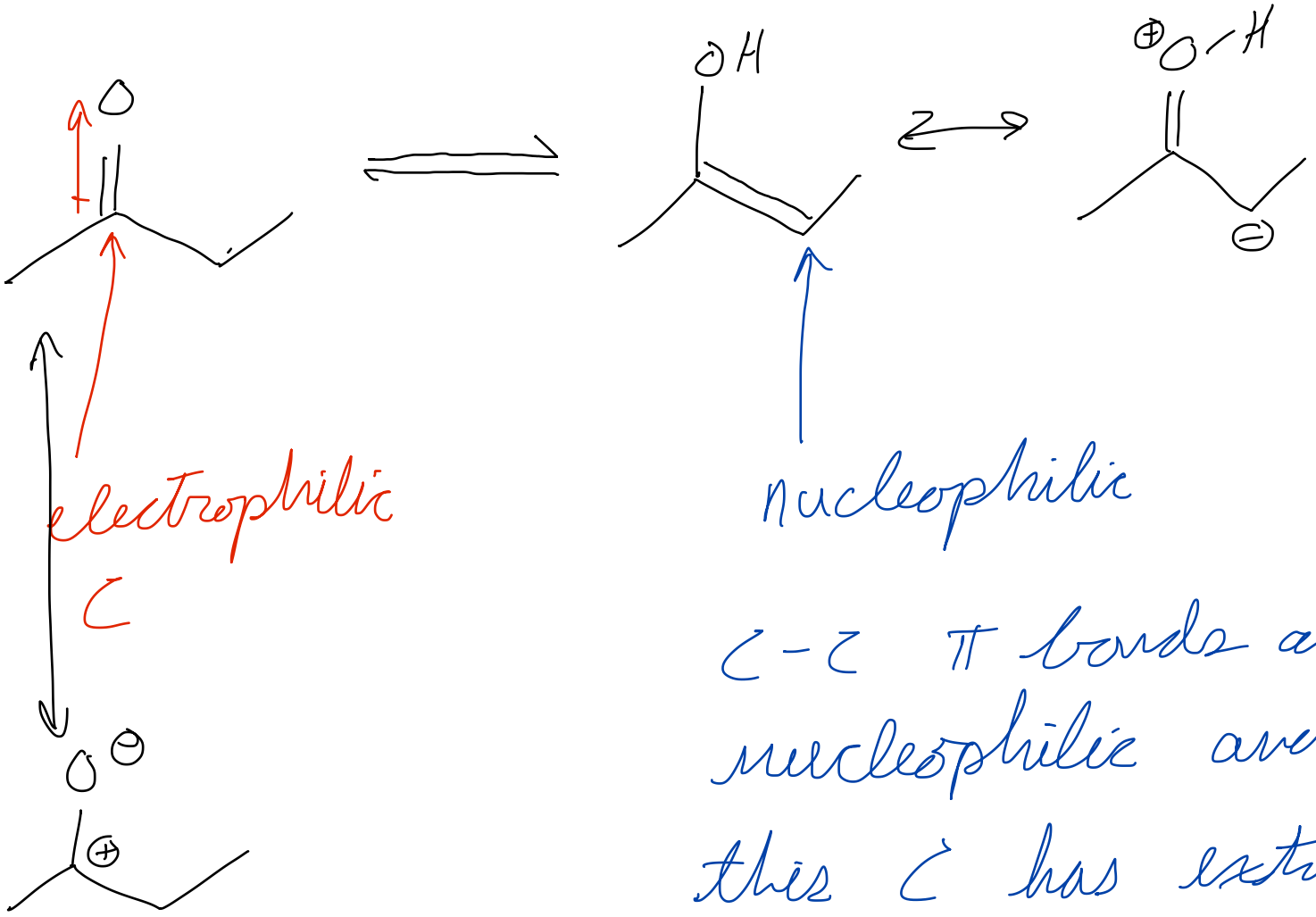




2° amines do a nucleophilic addition, and then does an elimination

E2

enamine



C-C π bonds are nucleophilic and this C has extra e^- density as seen in the resonance contributer