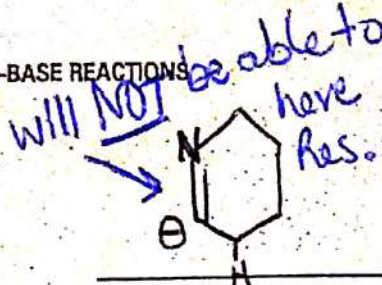
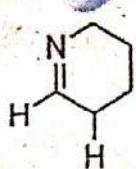
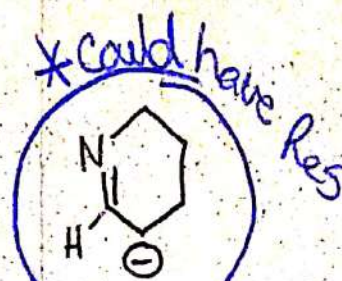


Tricky!
"R" 3.22

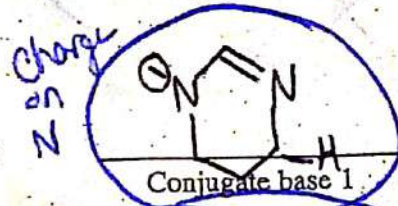
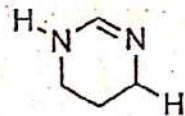


Conjugate base 1

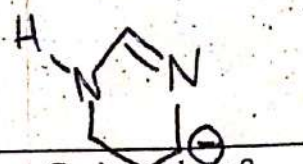


Conjugate base 2

"A" 3.23

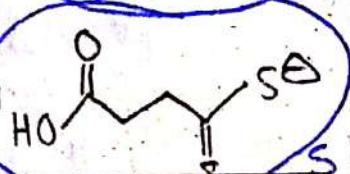
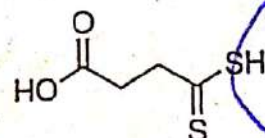


Conjugate base 1

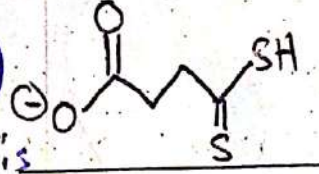


Conjugate base 2

"A" 3.24



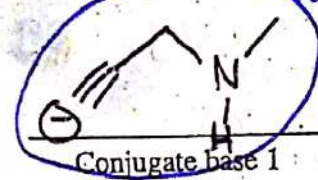
Conjugate base 1



Conjugate base 2

"O" * $\equiv$ vs $\equiv$ exceptions

3.25

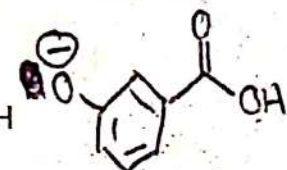
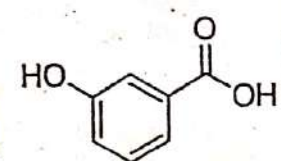


Conjugate base 1

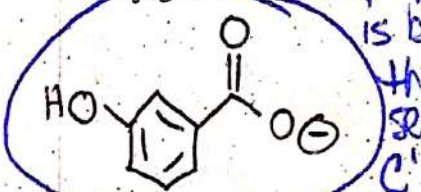


Conjugate base 2

"R" 3.26

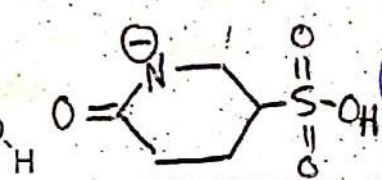
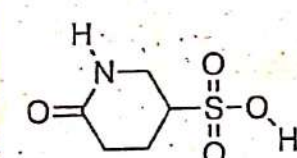


Conjugate base 1

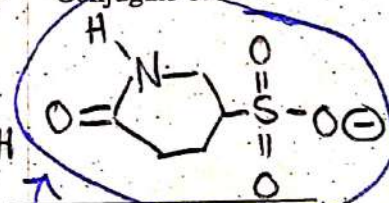


Conjugate base 2

"A & R" 3.27



Conjugate base 1



Conjugate base 2

PROBLEMS

acidic.

For each pair of compounds below, predict which will be more

A 3.28

HCl

HBr

A 3.29

H₂OH₂S

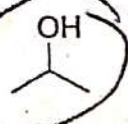
A 3.30

NH₃CH₄

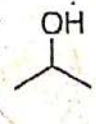
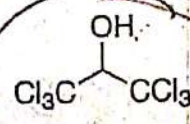
O 3.31

H $\equiv$ HH $\equiv$ H

I 3.32



I 3.33



* will form a more stable product!
Bad

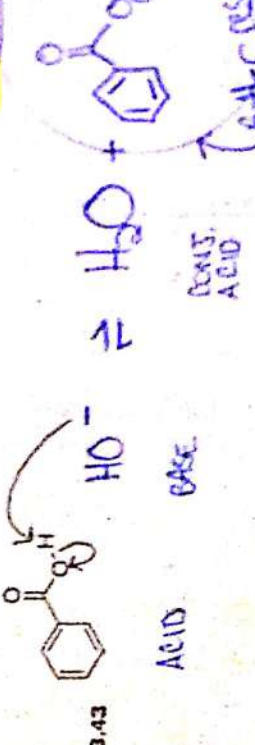
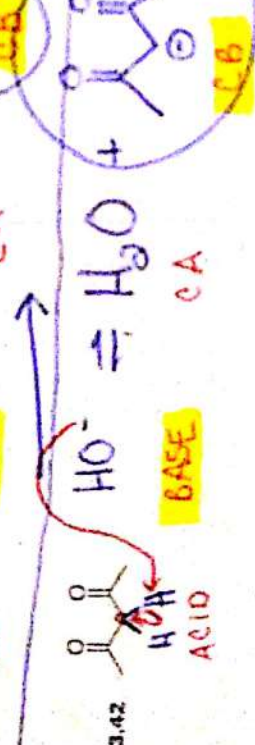
3.39 Show the mechanism for the following acid-base reactions:



3.40 Show the mechanism for the following acid-base reactions:



PROBLEMS Show the mechanism for the reactions that takes place when you mix hydroxide (HO^-) with the each of following compounds (remember that you need to look for the most acidic proton in each case)



CONT. ACID
 CONT. RESONANCE
 w/ 2 O's

CONT. BACK

PROBLEMS Show the mechanism for the reactions that takes place when you mix the amine (cont. NH_2) with the each of following compounds (remember that you need to look for the most acidic proton in each case)

