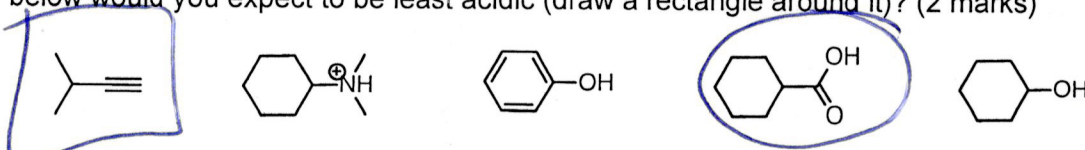
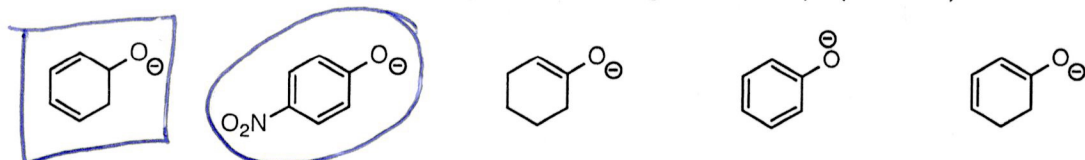


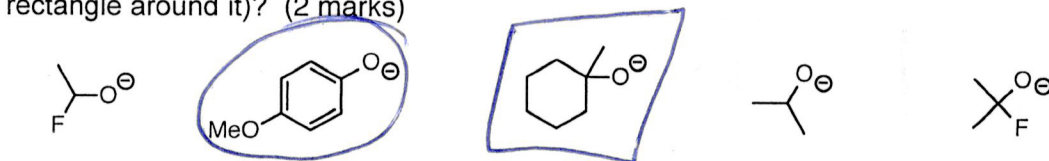
1. Which molecule below would you expect to be most acidic (circle it)? What molecule below would you expect to be least acidic (draw a rectangle around it)? (2 marks)



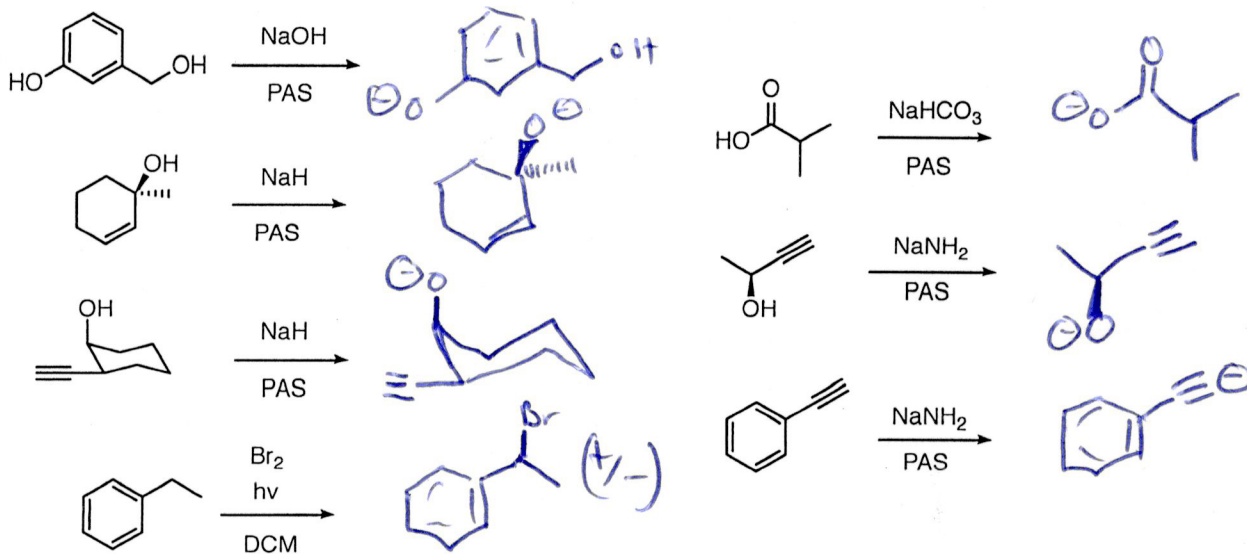
2. Which anion below would you expect to be most stable (circle it)? What anion below would you expect to be least stable (draw a rectangle around it)? (2 marks)



3. Which anion below is most stable (circle it)? What anion below is least stable (draw a rectangle around it)? (2 marks)



4. What is the major product of each reaction below? Be sure to include stereochemical information where appropriate (7 marks)



5. What side of the equilibrium below is favoured (be sure to include the pKa's of the appropriate acids)? (3 marks)

