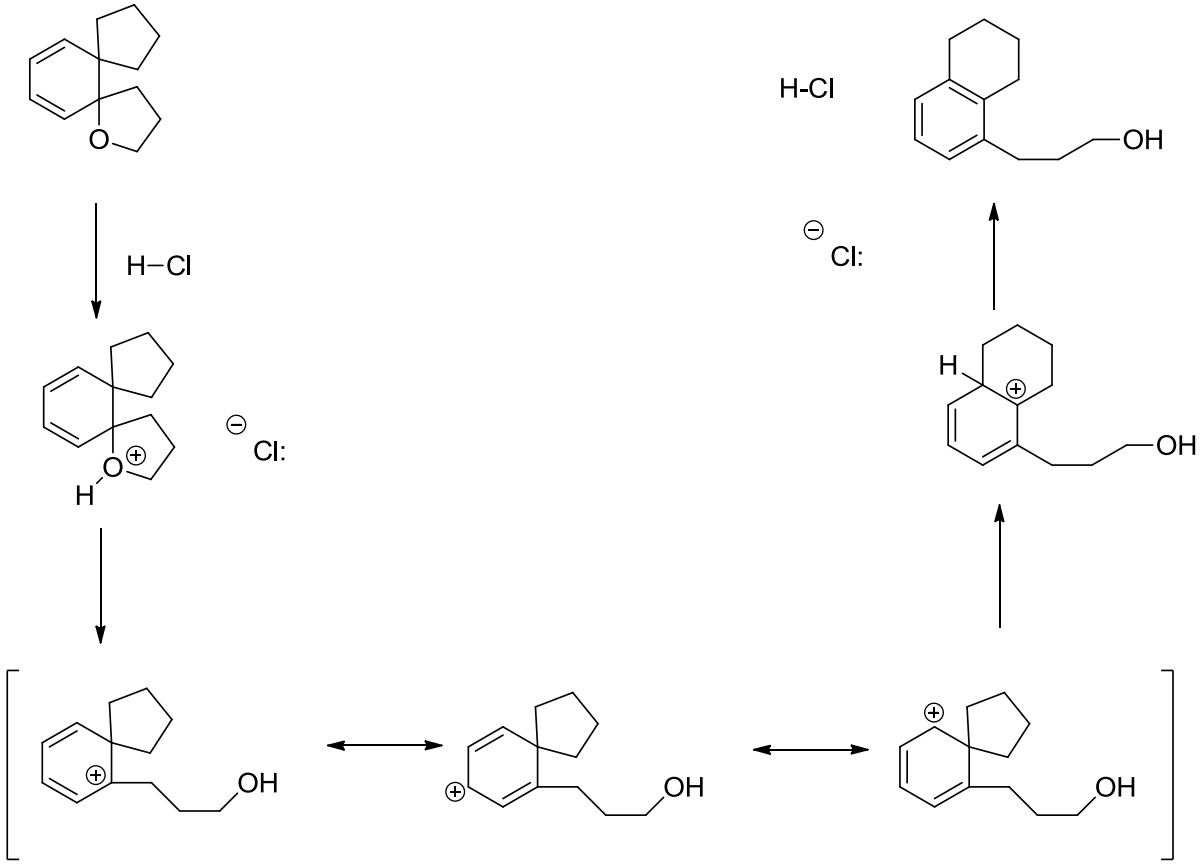
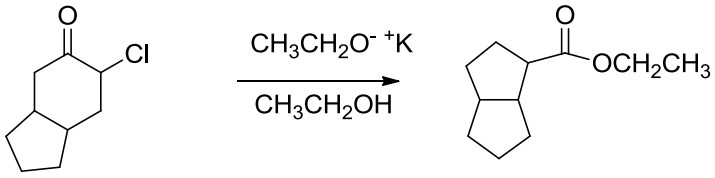
2012 Mechanisms Quiz #3 20 points NAME:_____

1) Draw in the curly arrows for this reaction. (7pts)

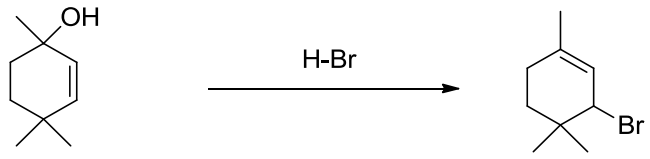


2) Draw a reasonable mechanism for this process. (7pts)



Bonus point if you can draw the product that would be produced if this reaction was performed using KOH in DMSO instead of ethoxide/ethanol. (Another bonus point if you get the correct ionic form of the product).

3) Write the mechanism for the following reaction. (6pts)



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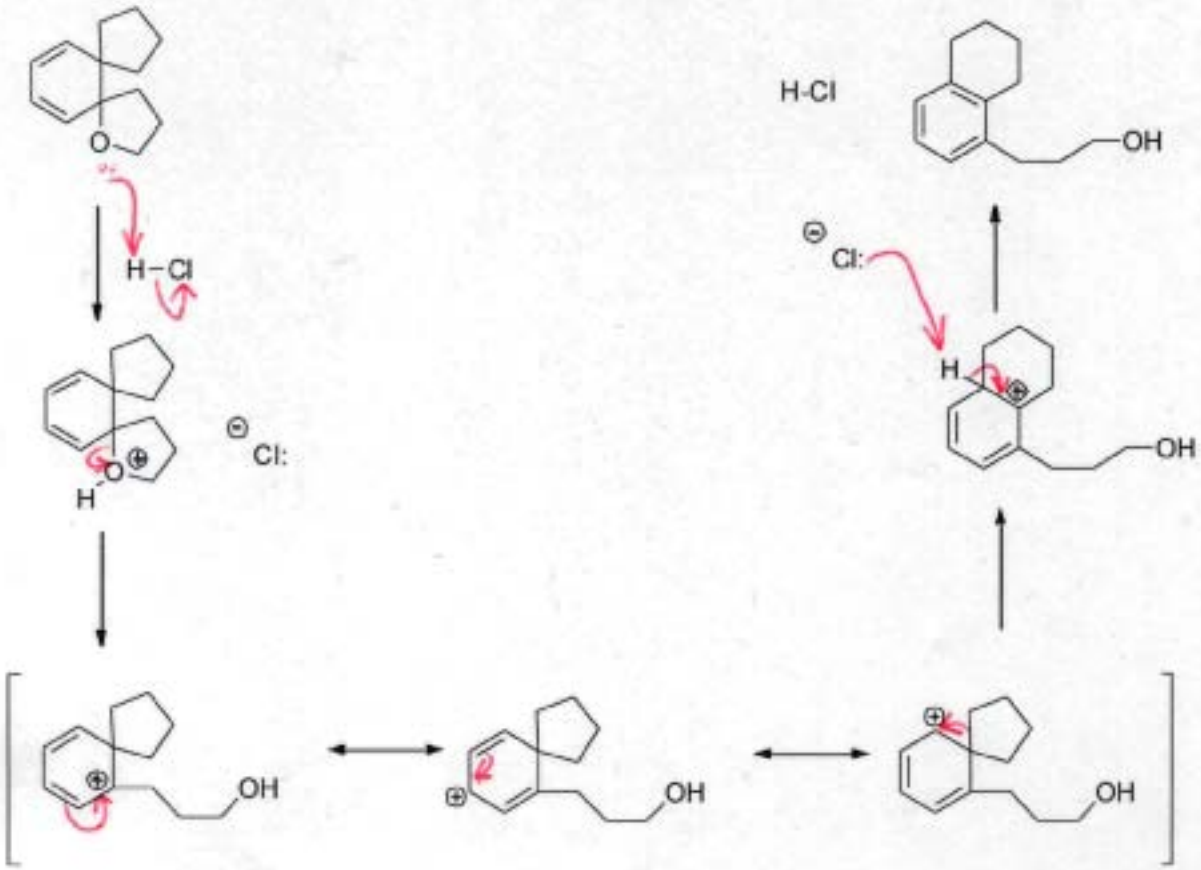

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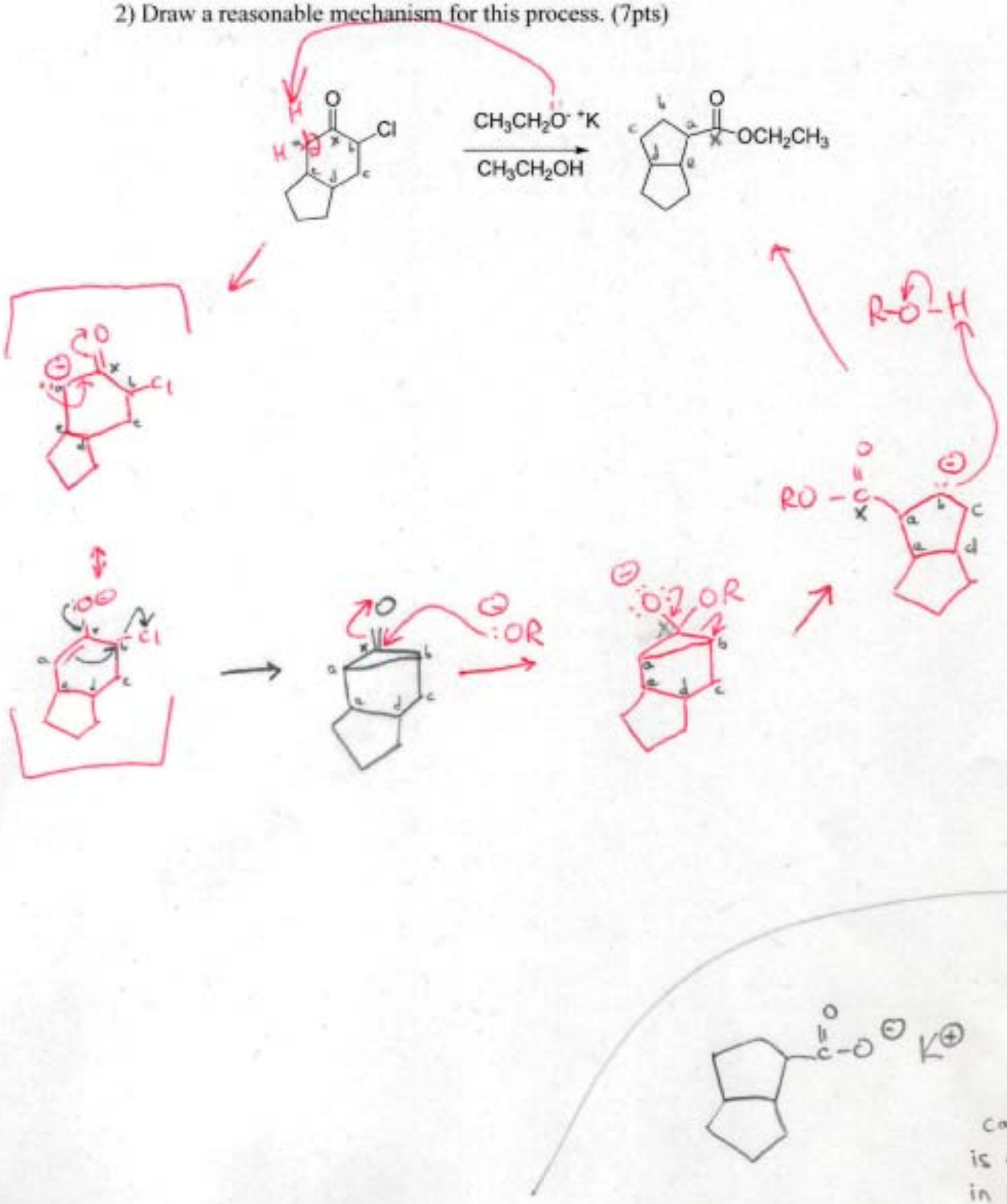

carboxylic acid is deprotonated in basic conditions

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