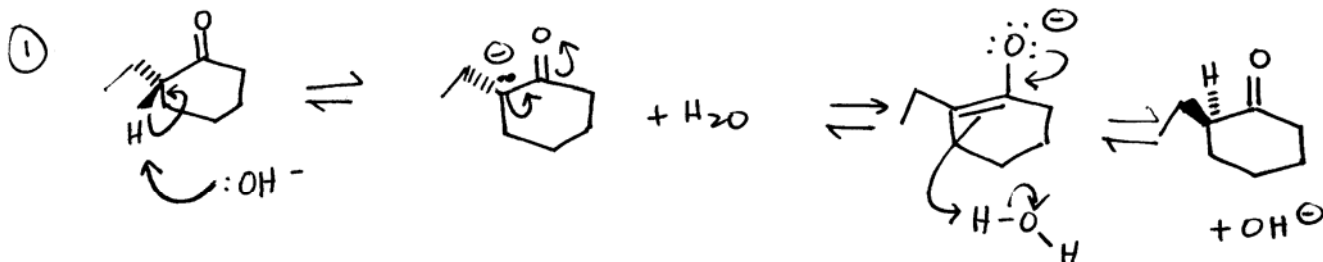
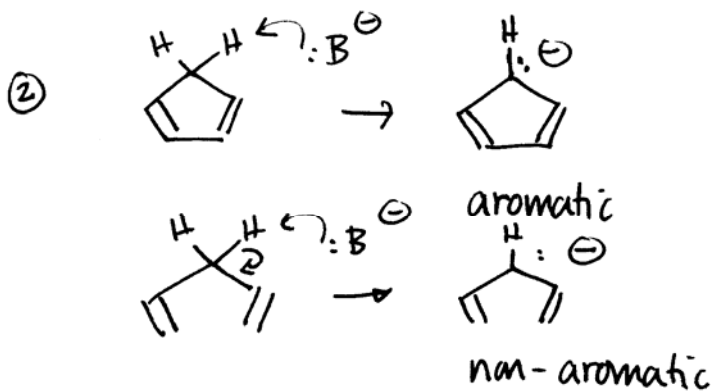


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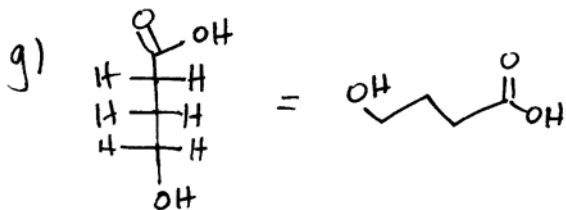
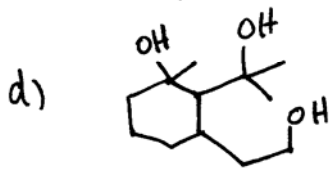
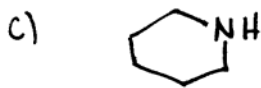
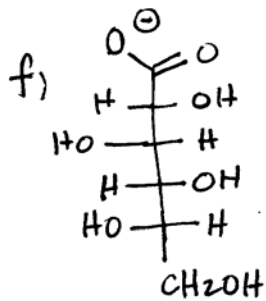
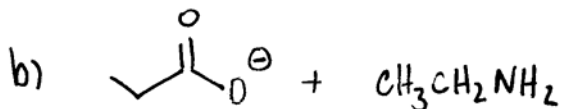
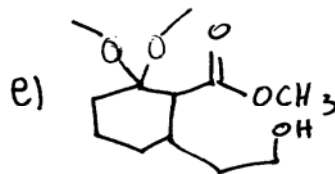
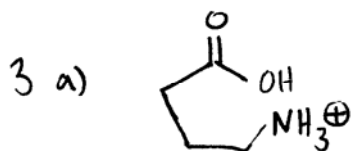
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Eventually an equilibrium will form by this process between the R and S isomers so that there is a racemate.

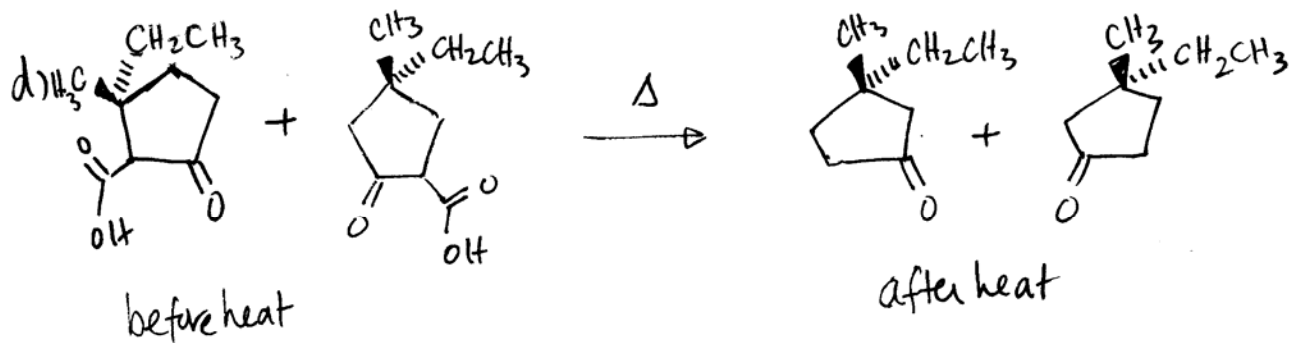
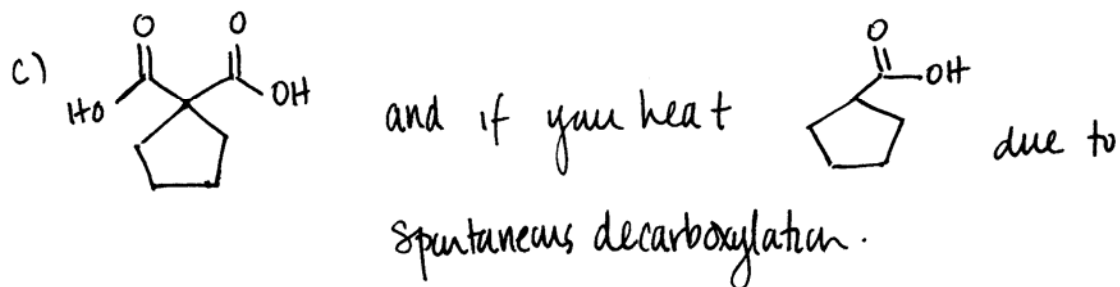
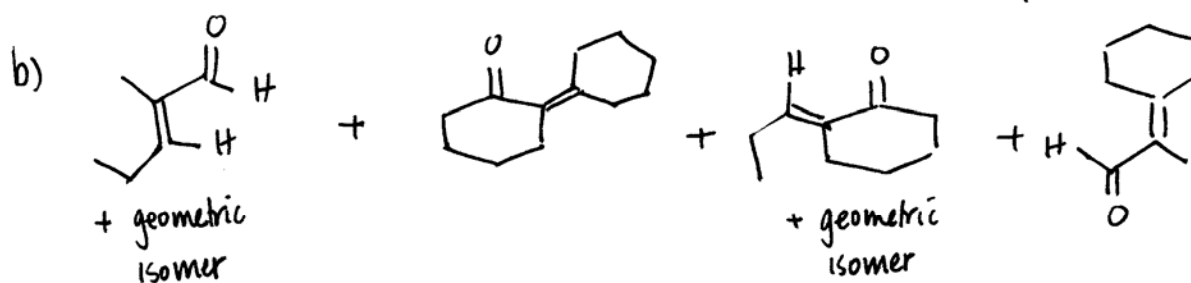
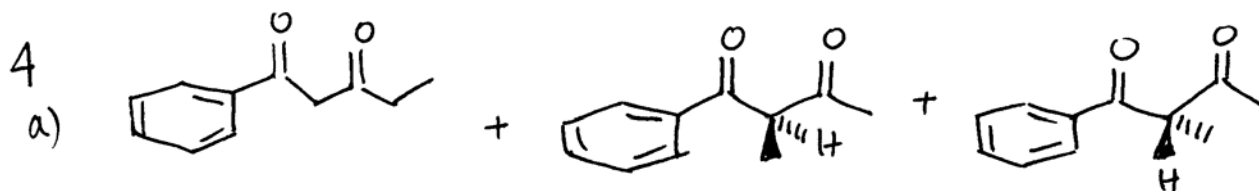
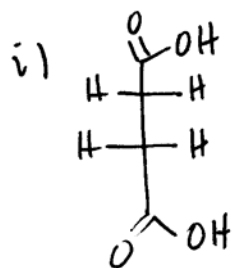


Because the aromatic product is more stable, it is favoured

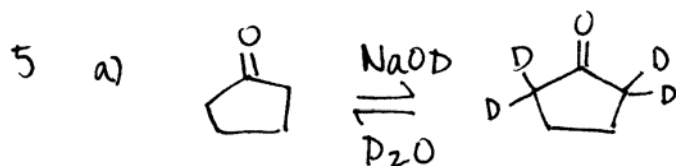
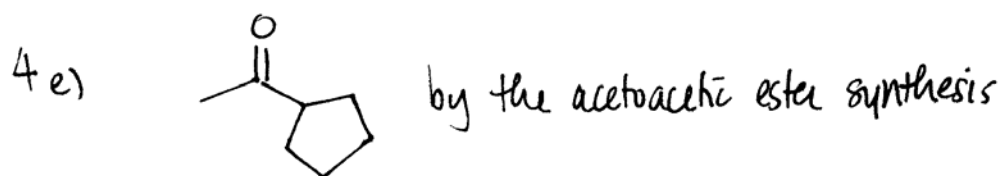


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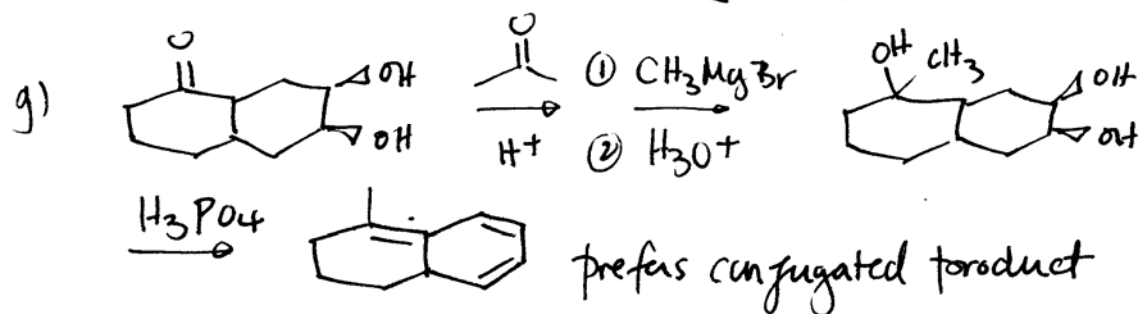
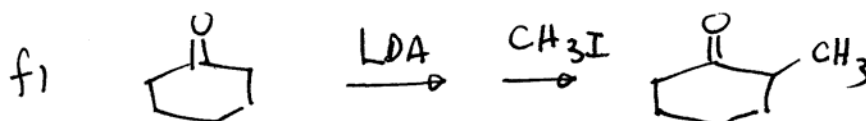
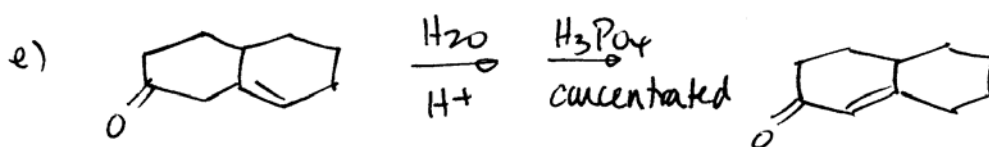
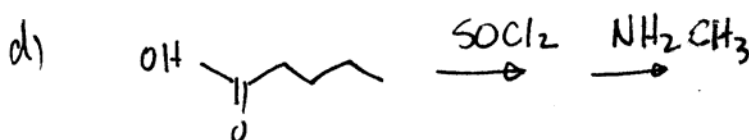
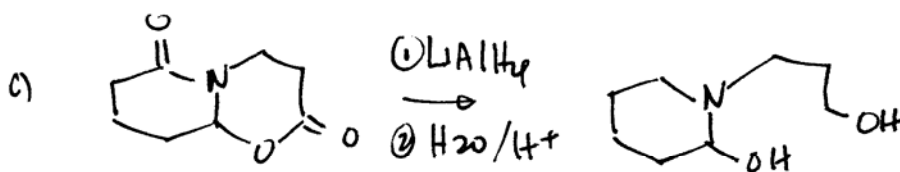
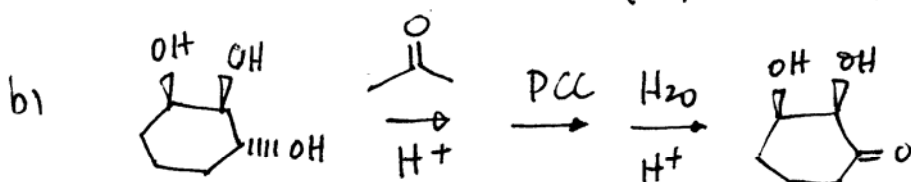
3 h) no rxn



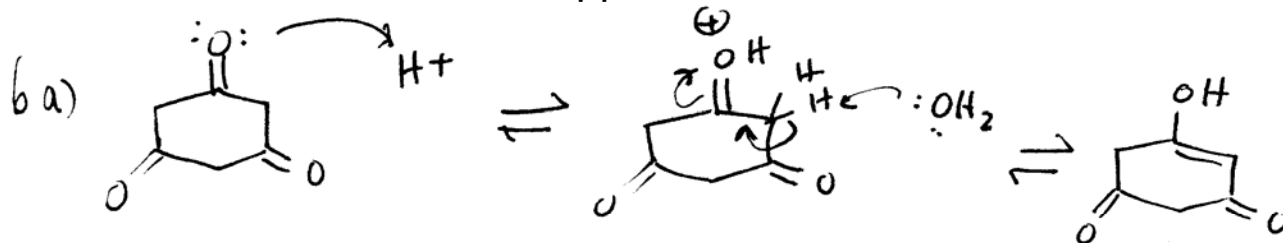
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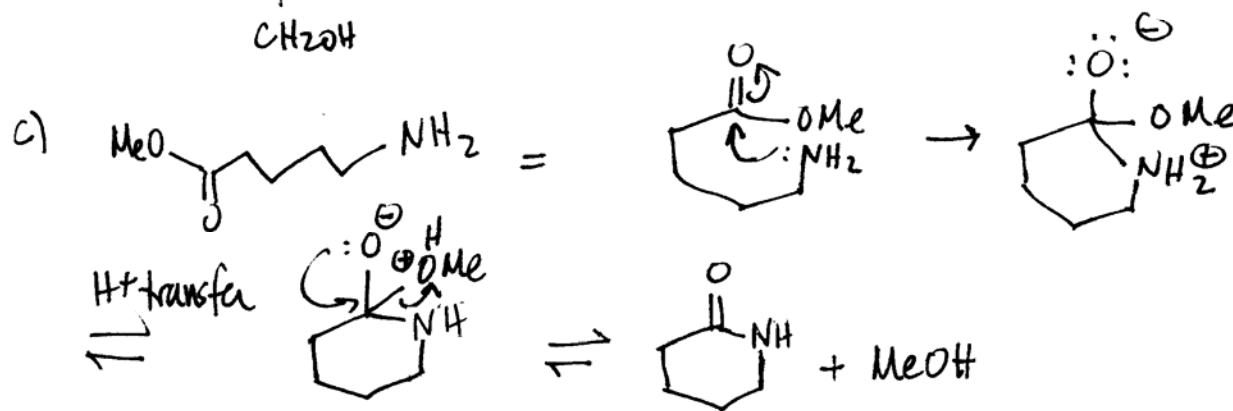
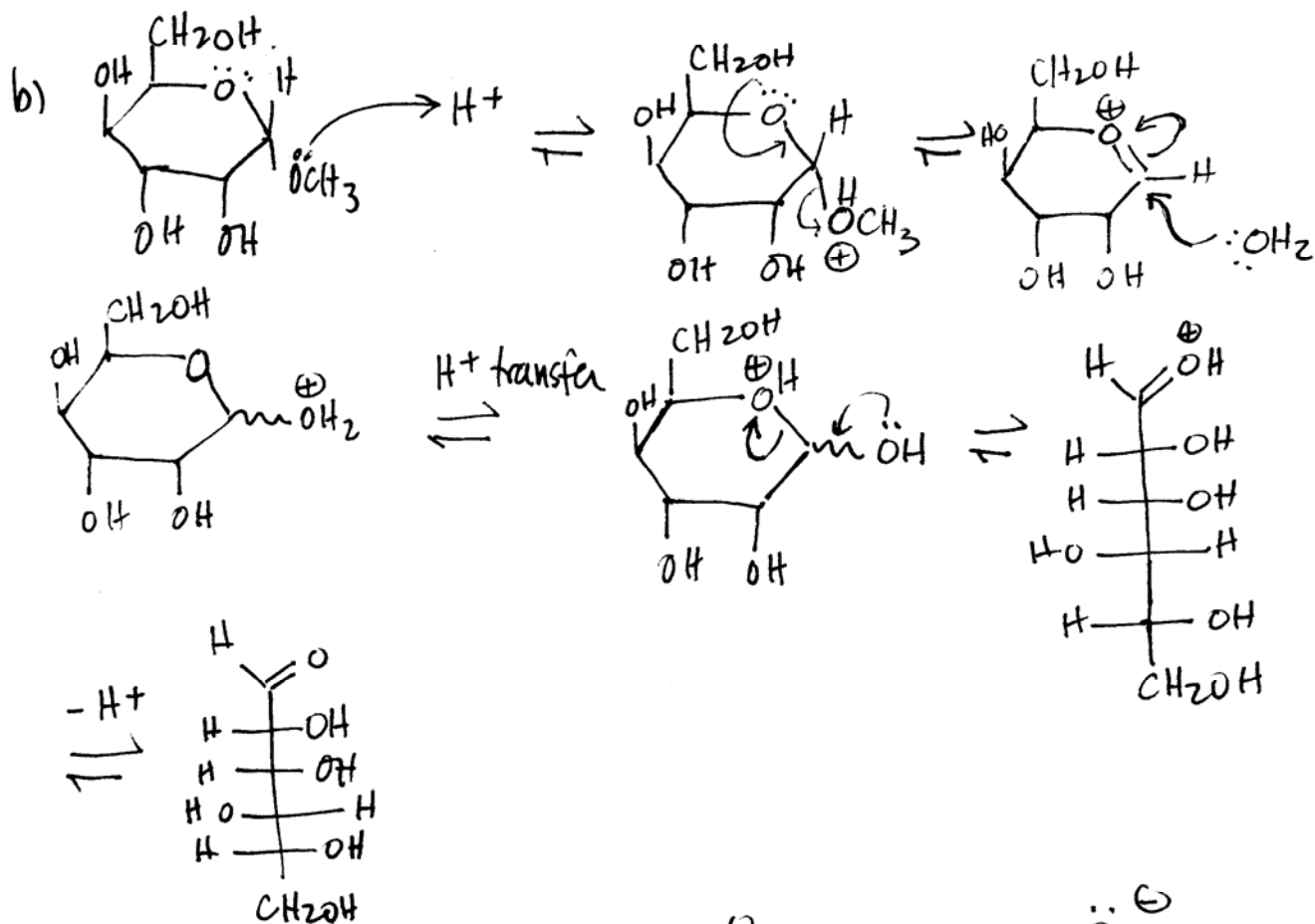
Since NaOD is catalytic, NaOH is fine also.



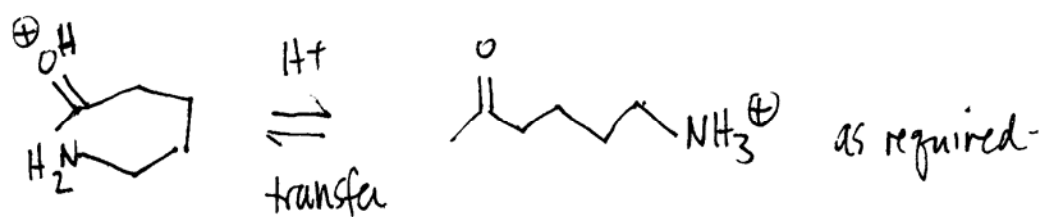
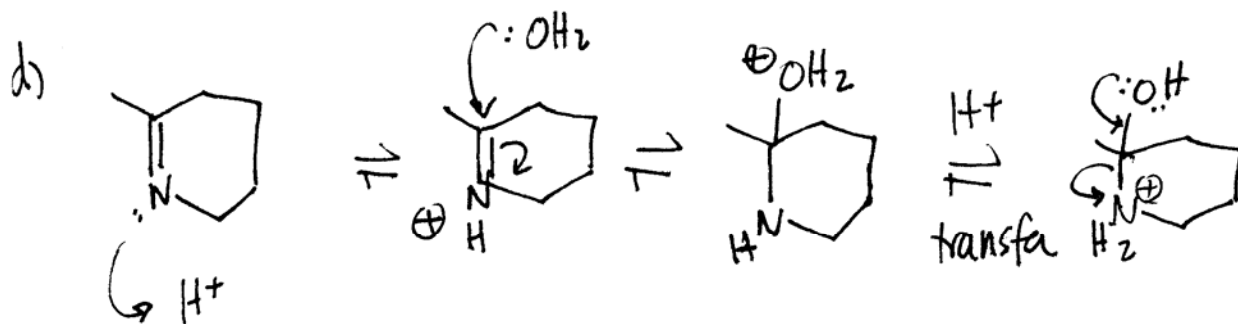
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repeat process at two other carbonyl groups for product



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Note: on your exam make sure to show proton transfers
out in explicit format. For example, from above...

