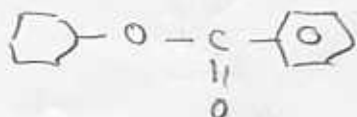
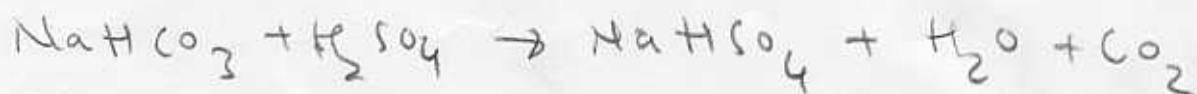


1. Show a structural formula and valid name for the ester you would prepare from benzoic acid and cyclohexanol! (3 pts)

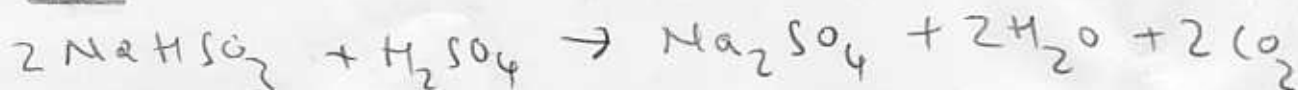


cyclohexyl benzoate

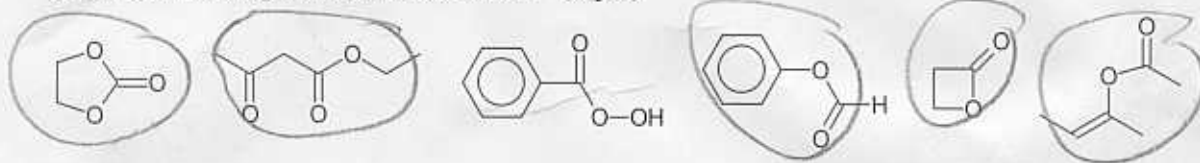
2. Show a balanced reaction equation for the reaction of sulfuric acid with sodium bicarbonate! (2 pts)



or:



3. Circle all compounds that are esters! (6 pts)



4. Indicate which statements are correct (4 pts)

- Fisher esterification can be carried out under basic conditions as well.
- All acids form esters.
- The ethanol used in our procedure was a solvent, the same product would have been obtained when using methanol instead.
- Fisher esterification is a reversible reaction.