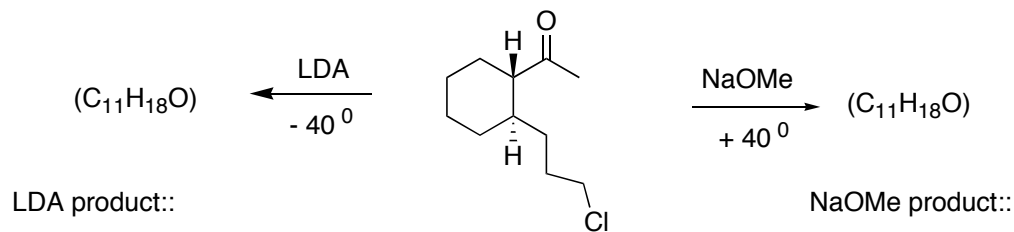


2. (10 pts) Benzoic acid is reacted with excess methanol and concentrated sulfuric acid to yield methyl benzoate. When the reaction reaches equilibrium the product and all three reagents are present. Describe, as you would in a laboratory write-up, how you would isolate the product from the other substances.

3. (10 pts) The two products formed below are constitutional isomers. Draw both products and very briefly (1-3 sentences) **EXPLAIN** their formation.



Explanation: