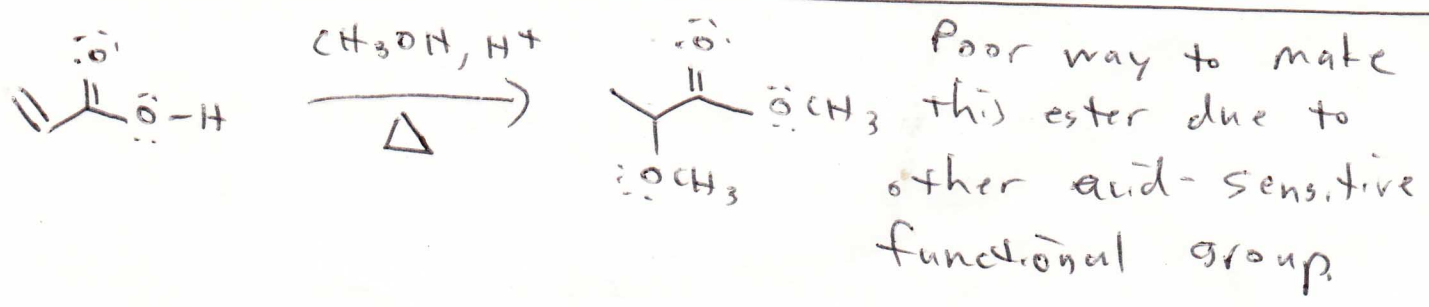
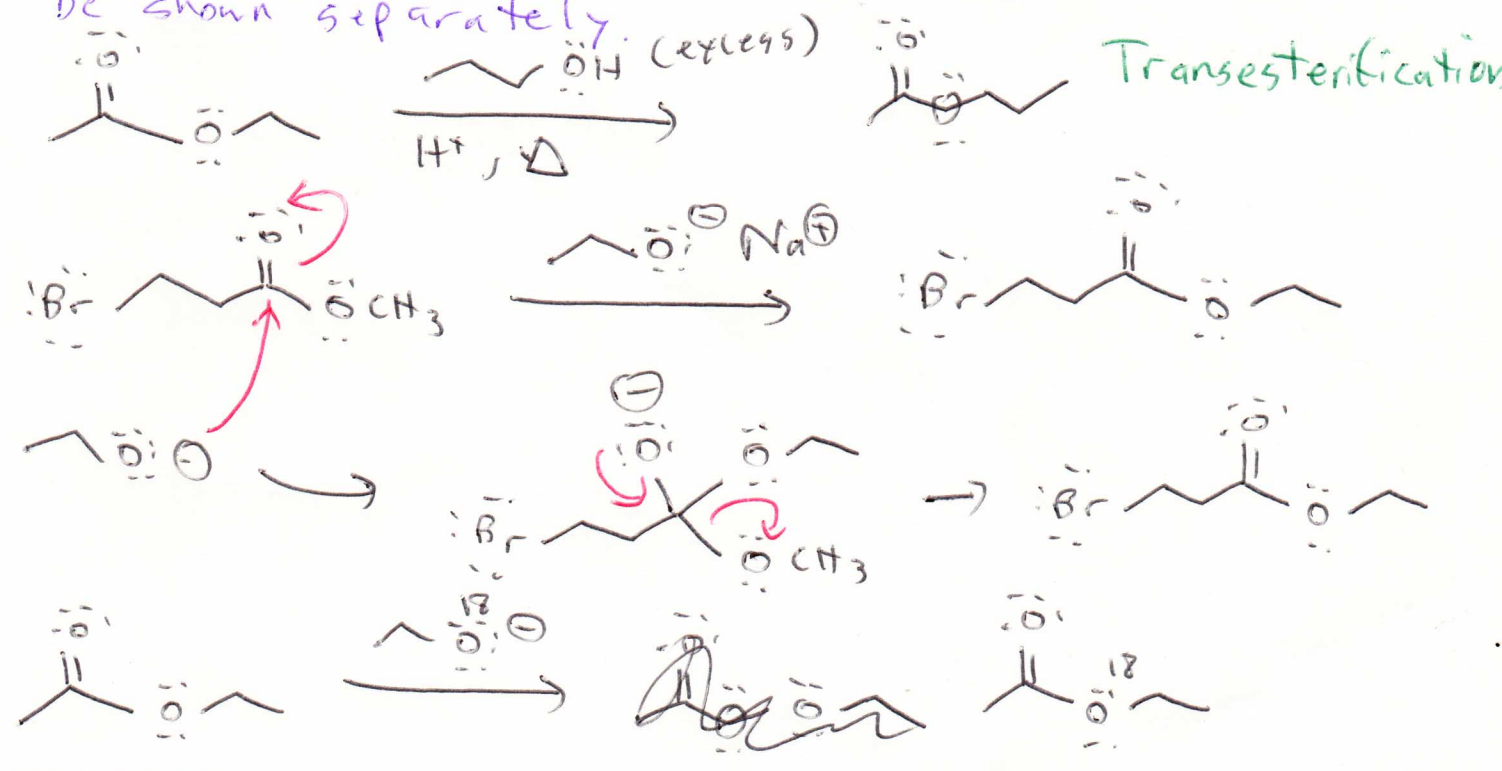
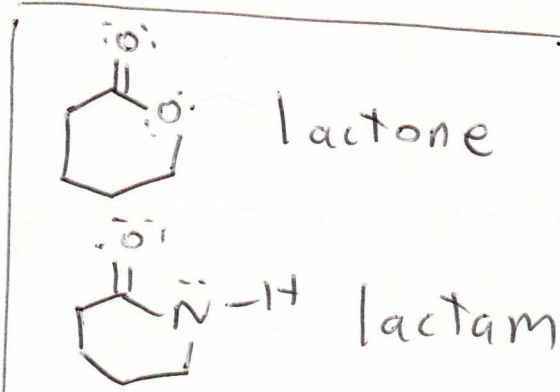
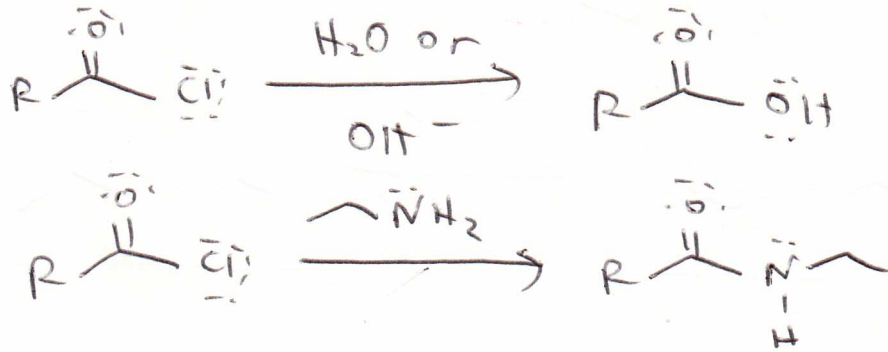
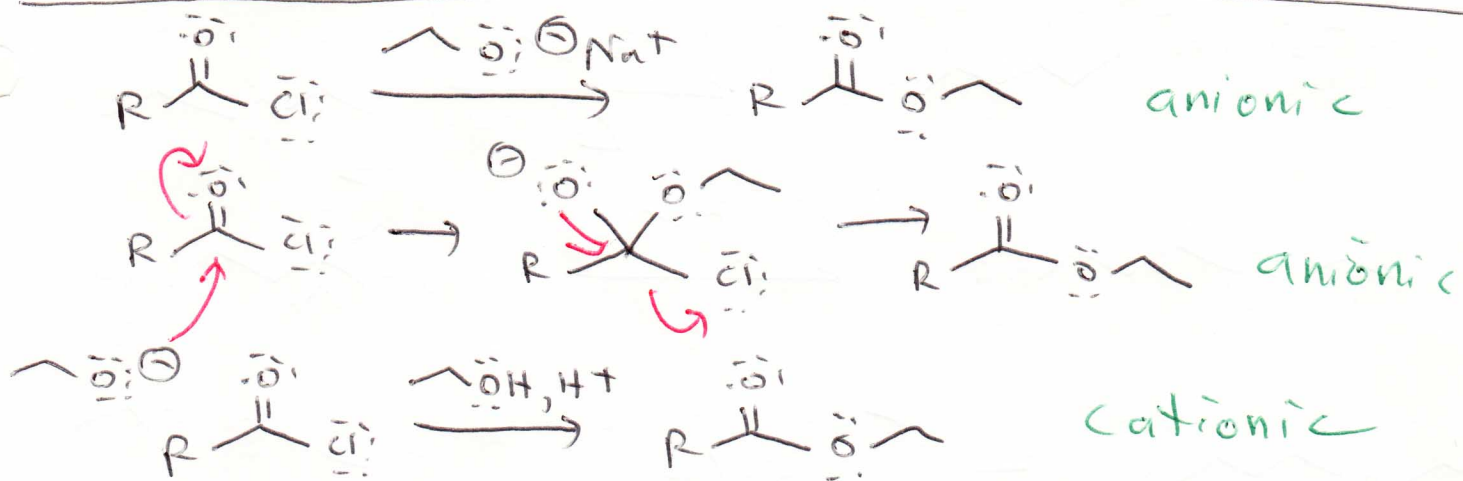
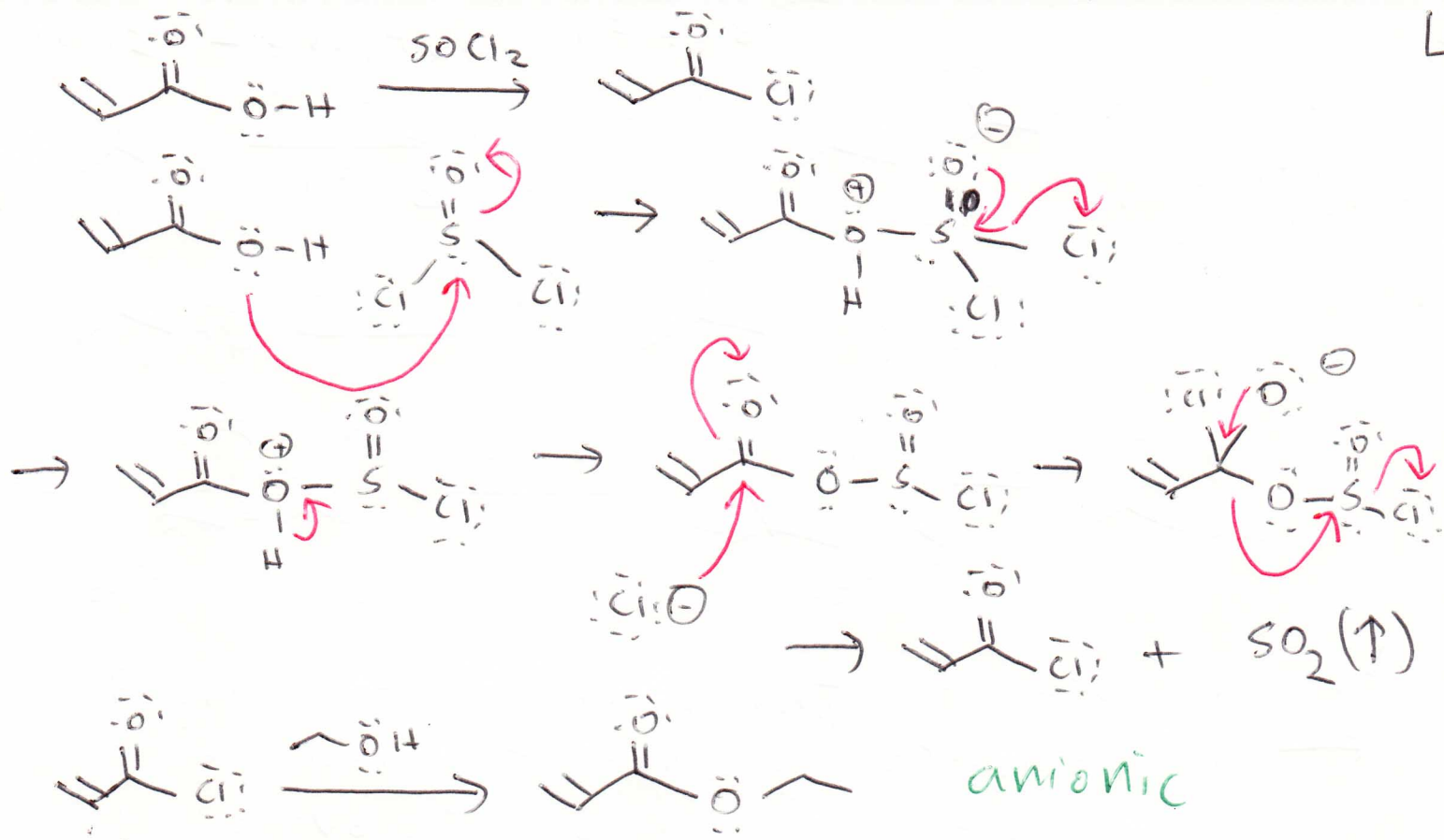
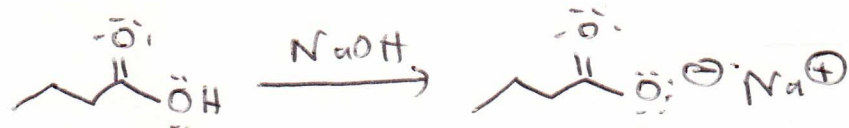
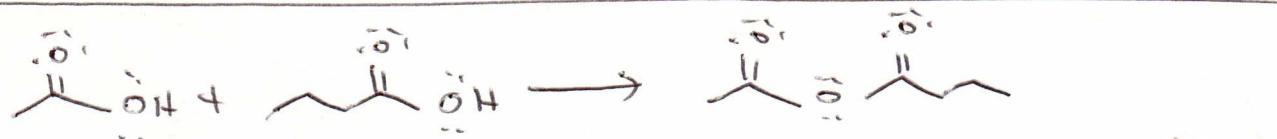
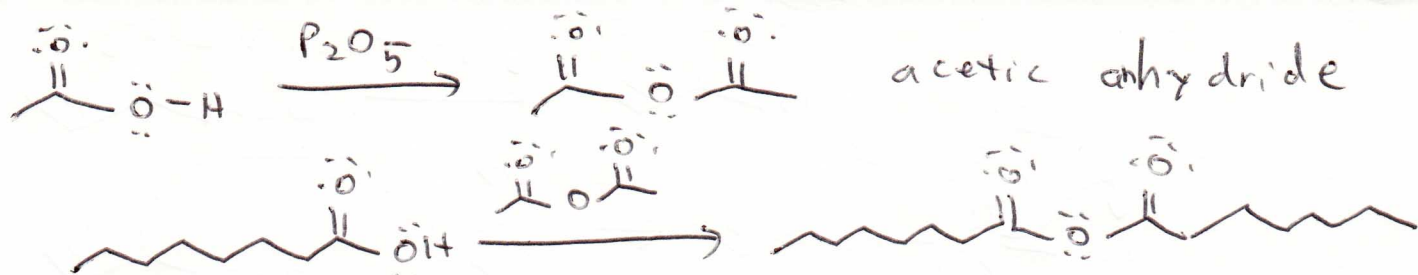


Results of ¹⁸O experiment indicate carboxylates do go through tetrahedral intermediates → the above step during saponification must be shown separately.

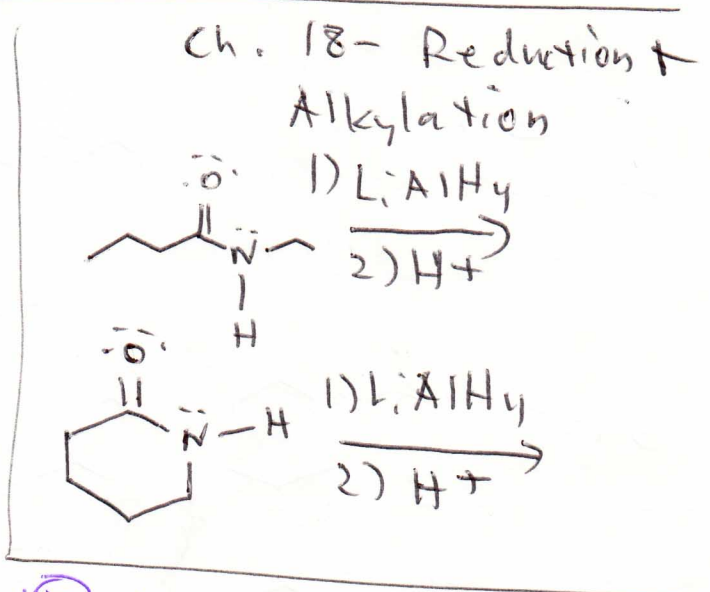
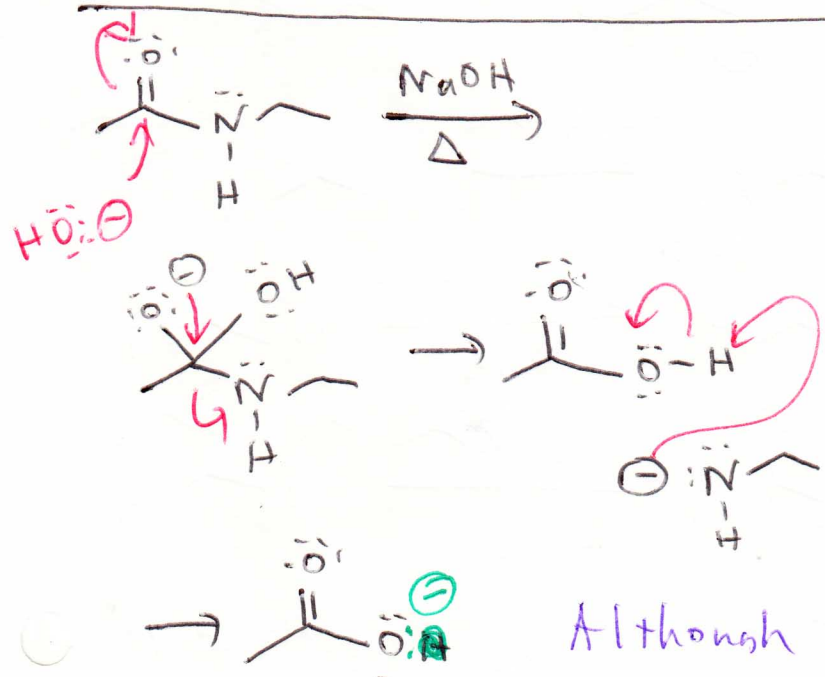
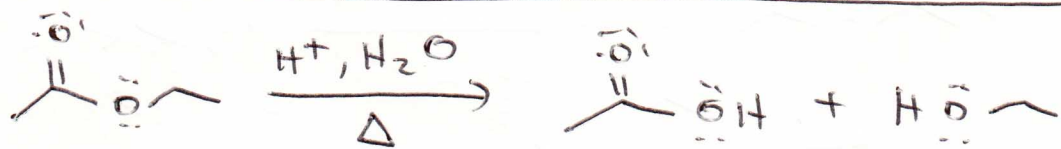
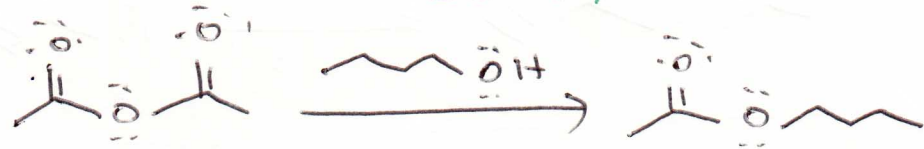




hydrolysis - rxn w/ H₂O
 solvolysis - rxn w/ ROH
 aminolysis - rxn w/ RNH₂



carboxylate salt



Although N^- is a very poor leaving group, it + when it comes off, it instantly neutralizes the product, prevent reverse rxn.