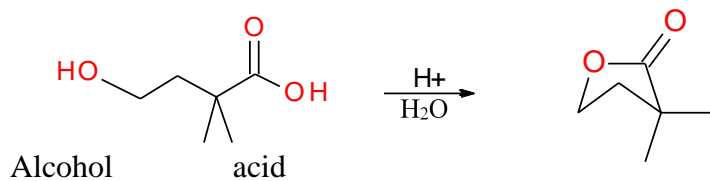
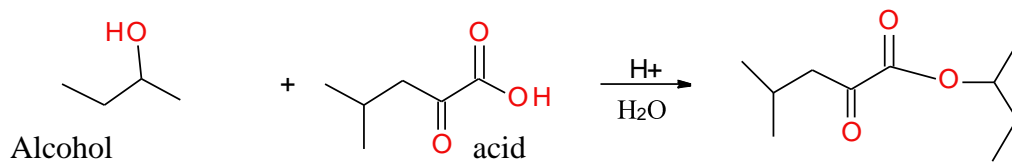


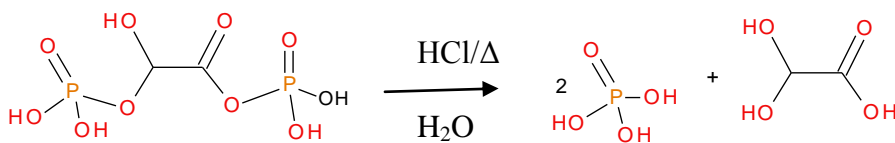
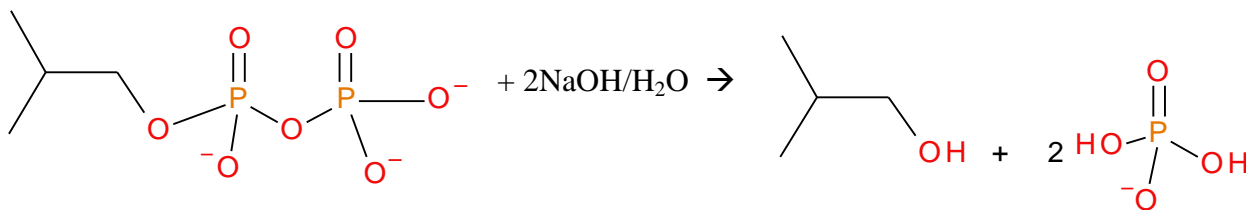
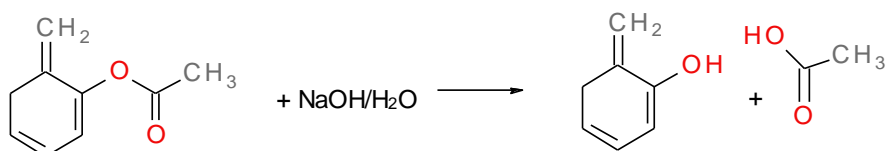
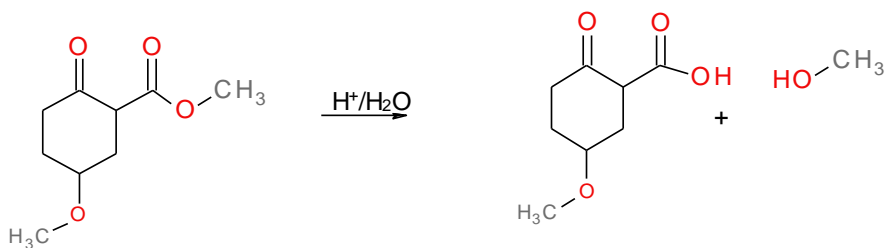
## ESTERIFICATION AND HYDROLYSIS WORKSHEET

1. Complete each of the following esterification reactions.



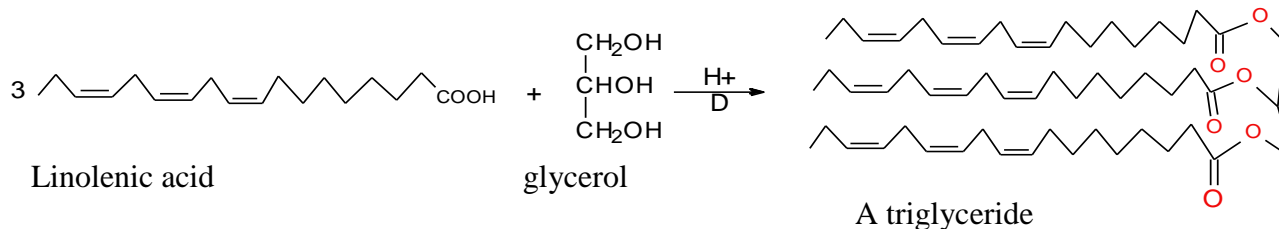
*A cyclic ester (a lactone).*

1. Circle the ester bond in each of the following reactant molecules.
2. Draw the structures of the products for each of the following reactions.



## FATTY ACID ESTERIFICATION AND LIPID HYDROLYSIS WORKSHEET

1. Complete the following esterification reaction.
2. Write the names of the reactants under the structures (look up fatty acid names on handout).
3. Write the name of the product or the classification of lipid in each of the following reactions.



1. Circle the amide or ester bond in each of the following reactant molecules. Amides are hydrolysed just like esters, except an amine instead of an alcohol is produced.
2. Draw the structures of the products for each of the following reactions.
3. Write the name of the fatty acid products.

