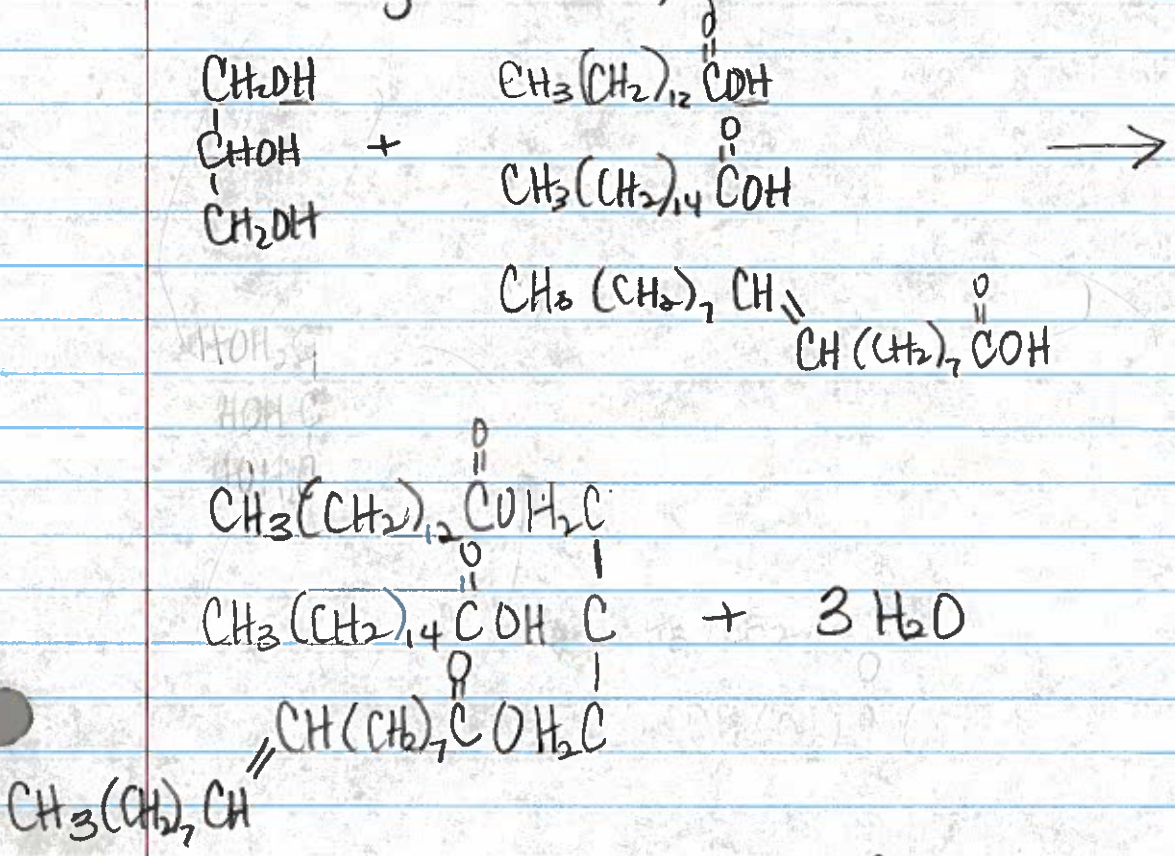
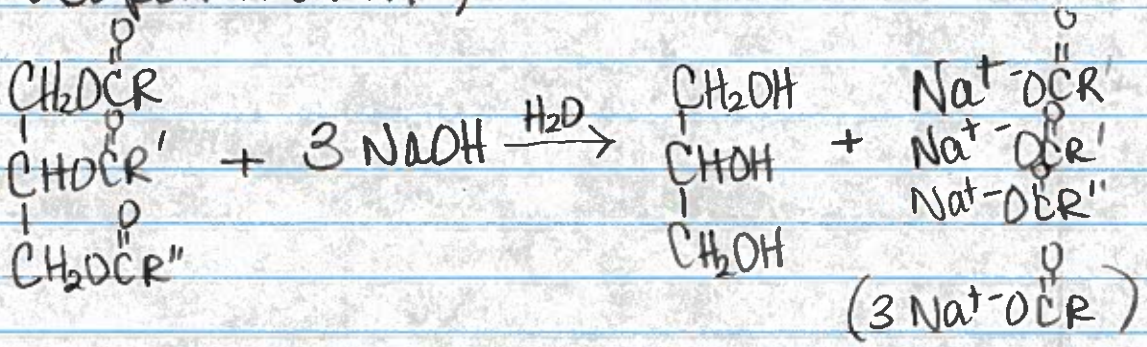
Reactions

Create a triglyceride composed of myristic acid, palmitic acid + oleic acid

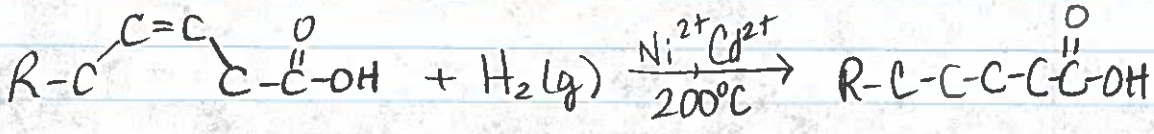


↑ ↑ Esterfication of a glycerol (Formation of a triglyceride)

Hydrolysis of a triglyceride w/ a strong base (Saponification)

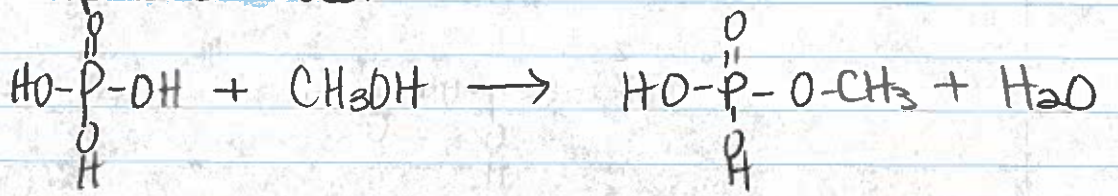


Hydrogenation of an unsaturated F.A.



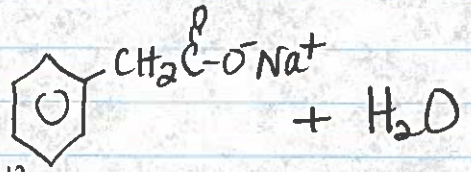
Bombarding an unsat. FA to break the  and saturate the F.A. a side rxn can occur that results in Cis → trans doublebond. This causes the F.A. to lose the cis "kink" and behave much like a Sat. F.A.

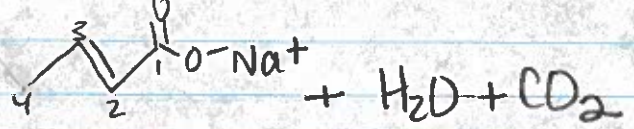
Phosphoric ester

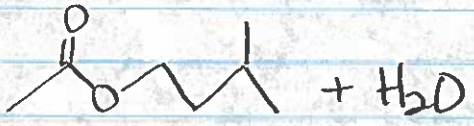


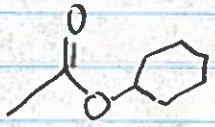
Methyl phosphate
(phosphate monoester)

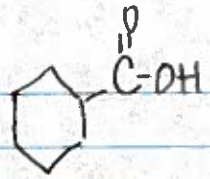
10.5 a) 3,4 dimethyl pentanoic acid
b) hexanoic acid

10.21 a) 

b) 

10.33 a) 

b) 

10.34 b)  + CH_3OH

cyclohexyl methanoic acid
Cyclohexane carboxylic acid

methanol

d) 2-pentanoic acid + 2 methyl propanol