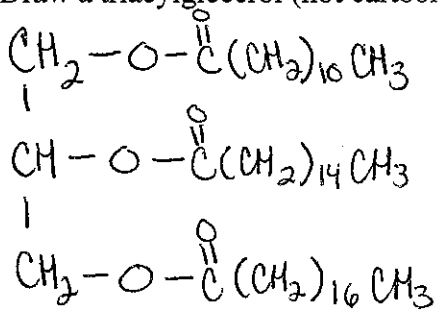
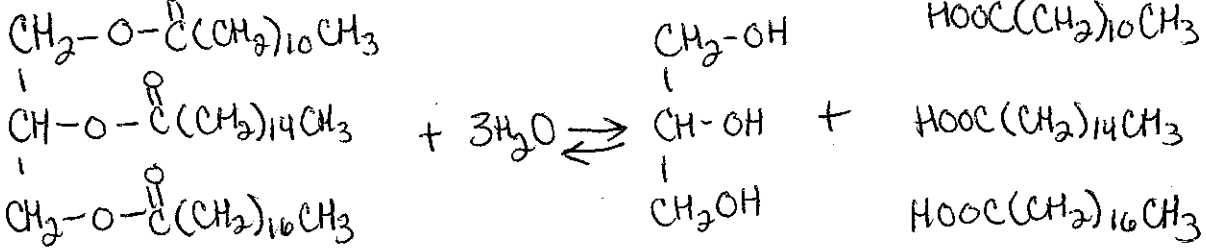
Worksheet #13 March 13, 2013

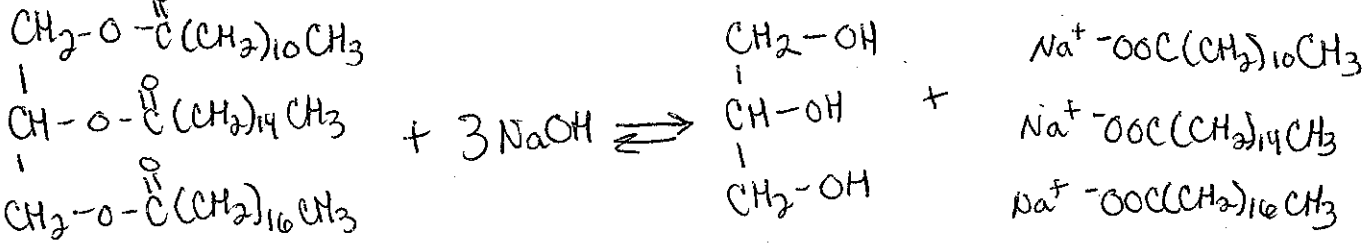
1) Draw a triacylglecerol (not cartoon) using lauric (12), palmitic (16), and ~~steric~~ stearic (18) acid.



2) Give the ~~base~~ acid hydrolysis for the triacylglycerol in question 1.



3) Give the ~~acid~~ base hydrolysis for the triacylglycerol in question 1.



4) What is the structure formed when a soap coats an oily particle to make it water soluble?
micelle

5) Which part of the soap is responsible for its ability to dissolve grease and oily dirt?
non-polar

6) What allows the micelles to be water soluble?
polar end (COO^-)