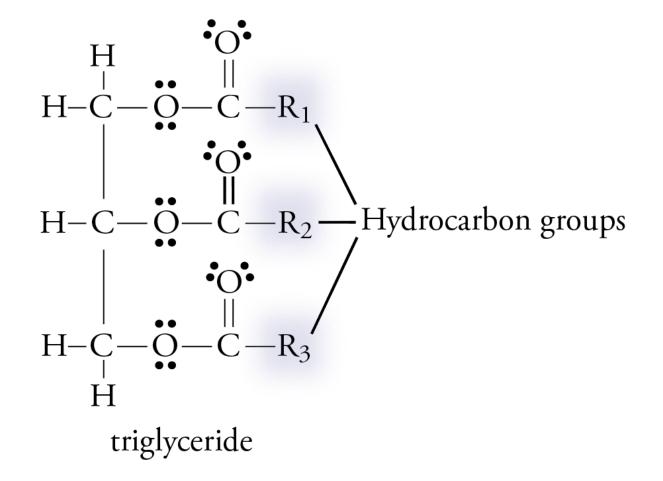
# Soaps and Detergents

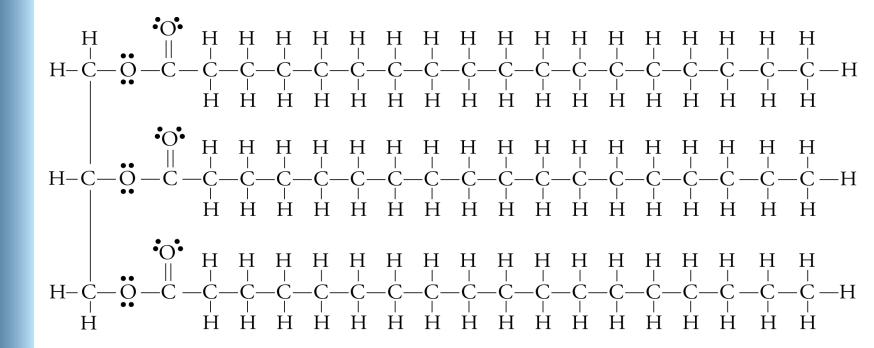
- Soap is made from natural triglycerides, which can be either animal fats or vegetable oils.
- Detergents are made from a variety of chemicals most of which are ultimately derived from petroleum. There is a much greater variety in the structures of detergents.

### Triglycerides (Fats and Oils)

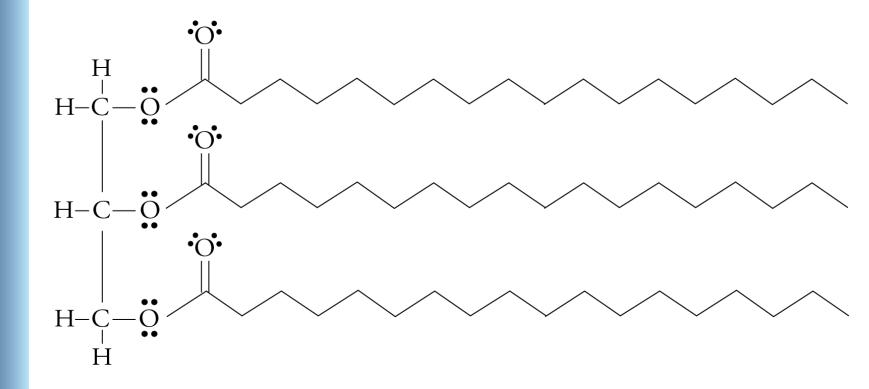


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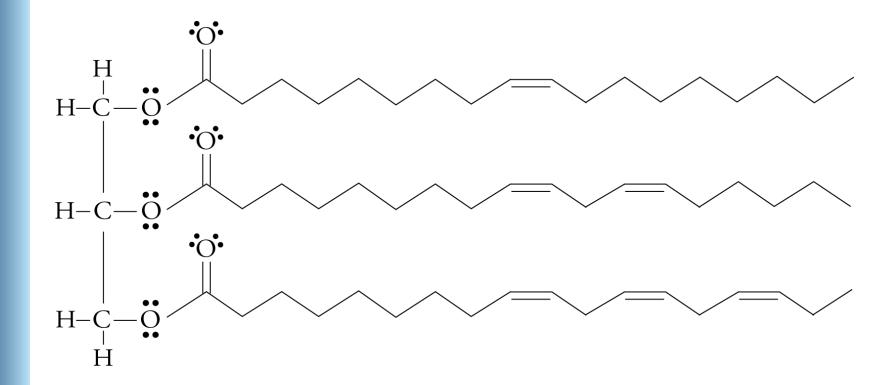
#### Tristearin

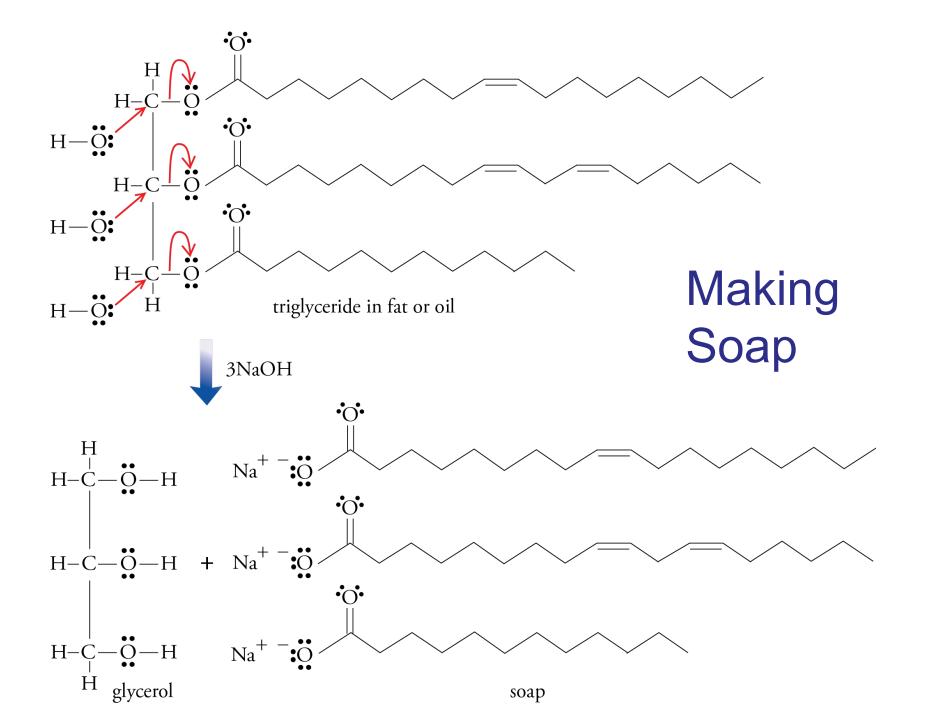


### Tristearin – Line Drawing

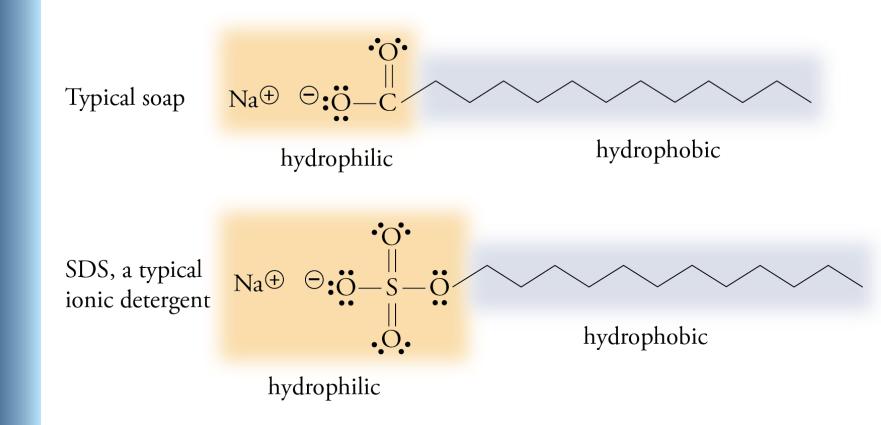


### Typical Liquid Triglyceride





# Soap and Detergent



#### **Cleaning Greasy Dishes** Without soap or detergent, droplets recombine. Agitation Oil Soap or detergent anions keep Oil breaks into droplets droplets. suspended.

#### **Oil Droplets and Soap or Detergent**

