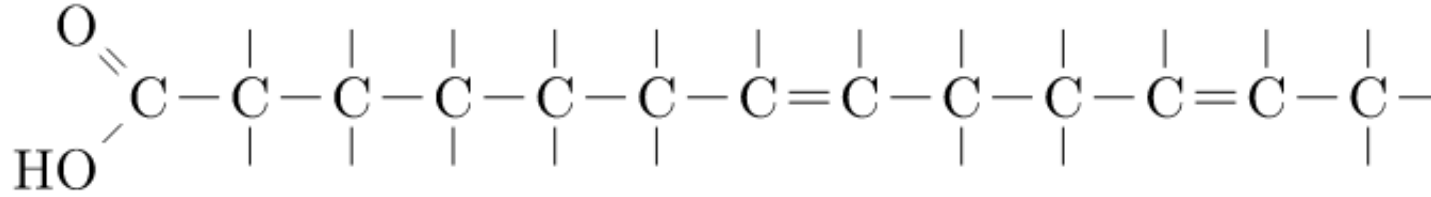


Fats & Fatty Acids

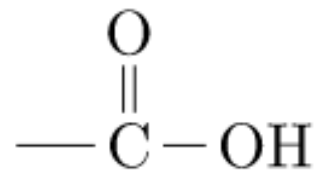
Fat Functions in Cells

- ▶ Long term energy storage
- ▶ Can burn for short term energy (9 Cal / gram)
- ▶ Build cell components
 - ▶ Cell membranes / cell walls
 - ▶ Complex biomolecules such as hormones

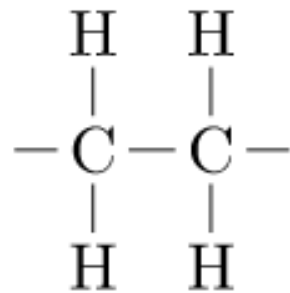
Fatty Acid Functional Groups



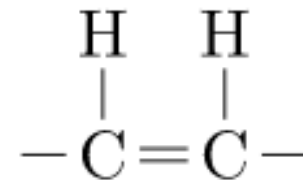
Carboxylic Acid



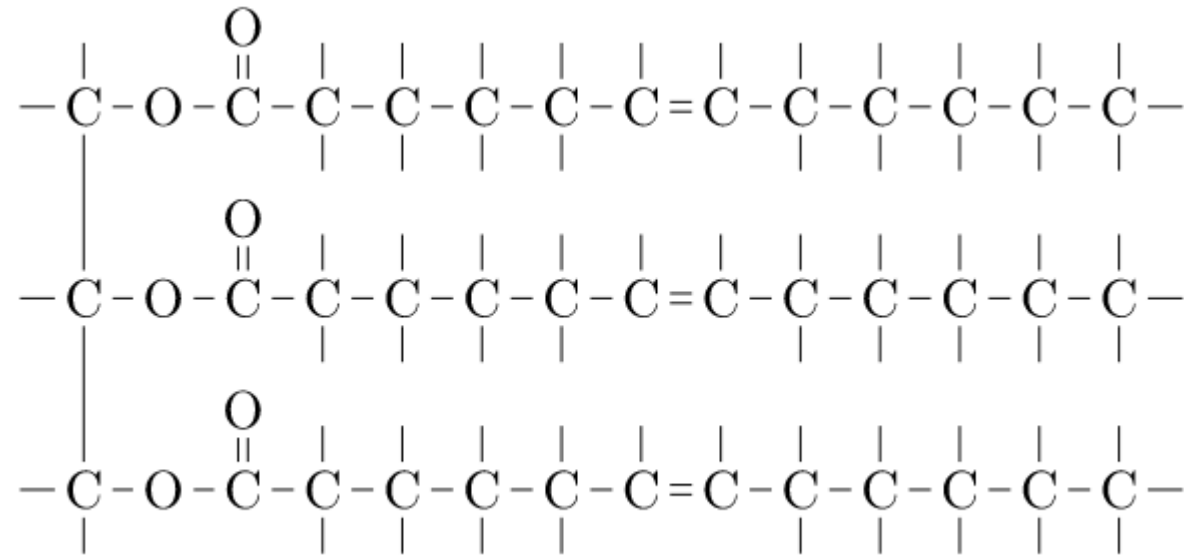
Alkane



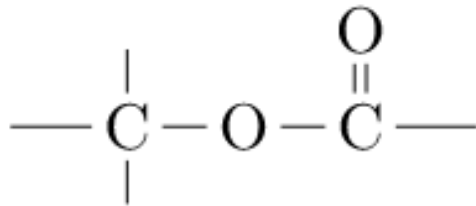
Alkene



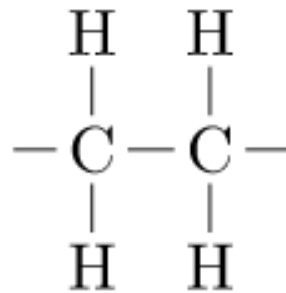
Fat Functional Groups



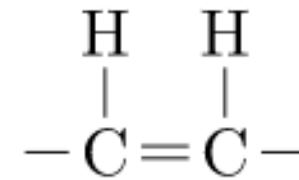
Ester



Alkane

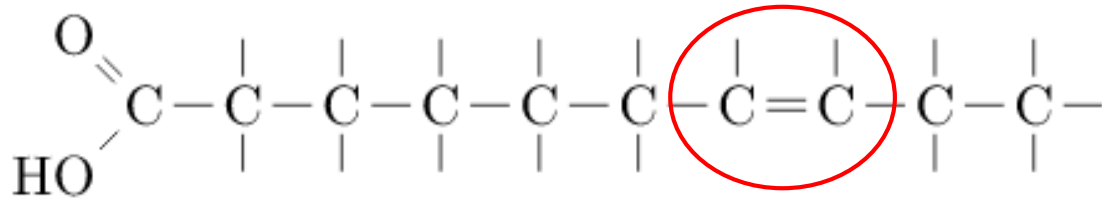


Alkene



► Monounsaturated:

exactly one C=C bond in carbon chain(s)



► Polyunsaturated

two or more C=C bonds in carbon chain(s)

