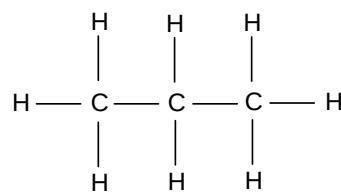
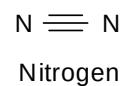
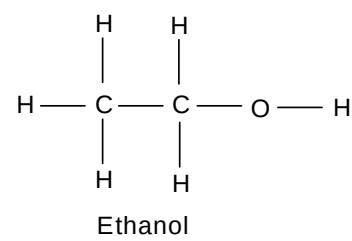
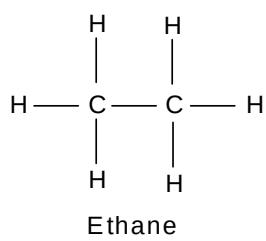
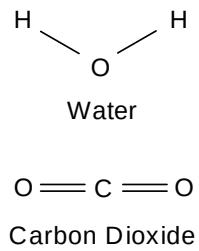
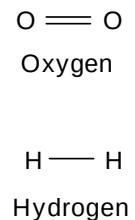
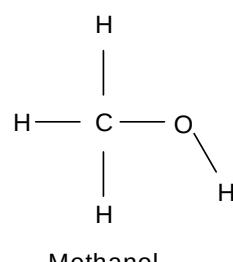
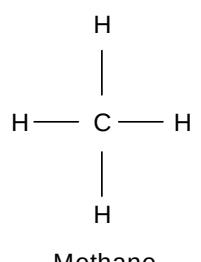
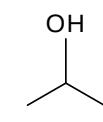
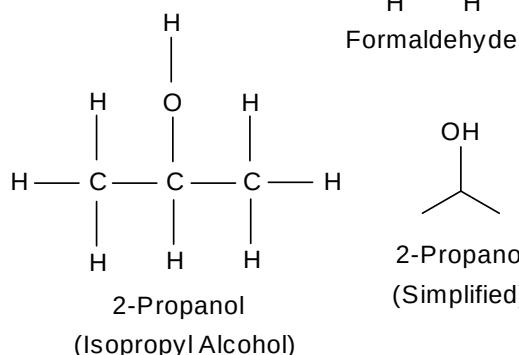
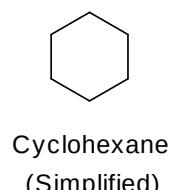
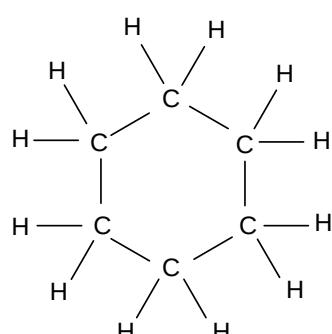
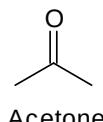
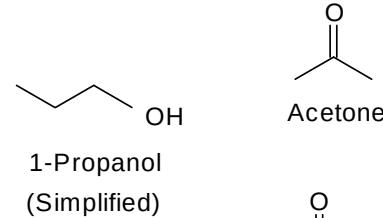
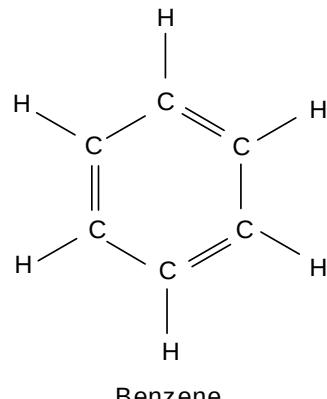
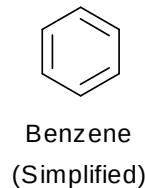
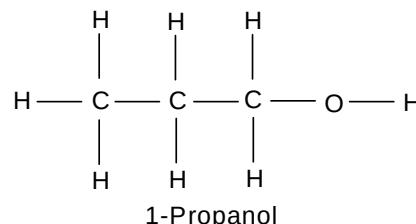
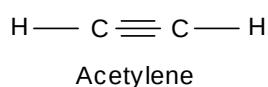
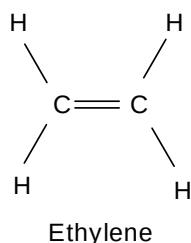


Some Simple Molecules

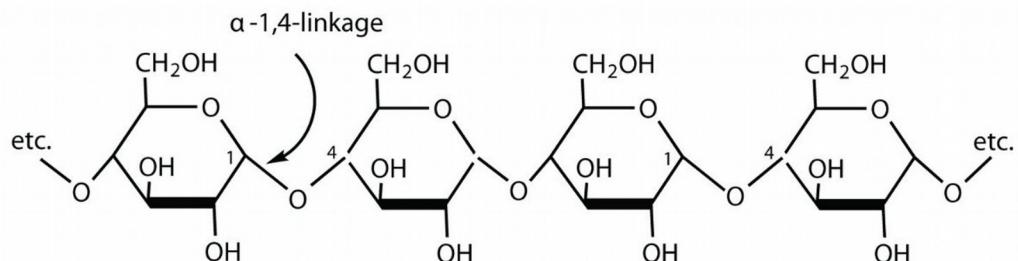
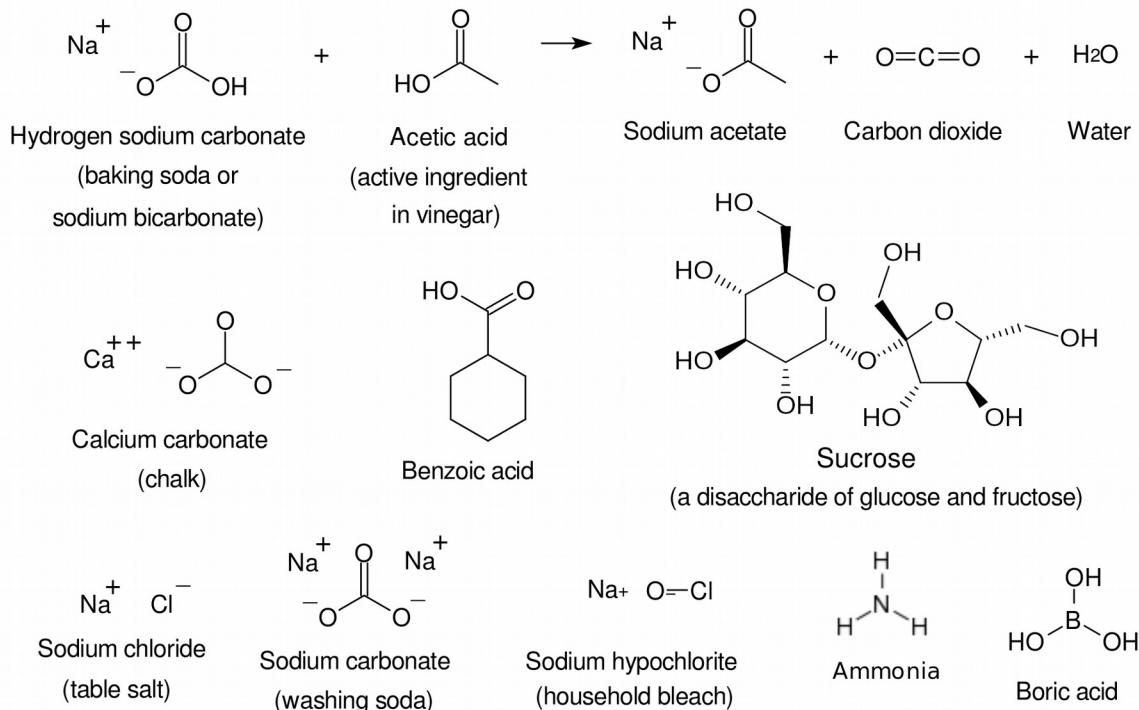


Propane

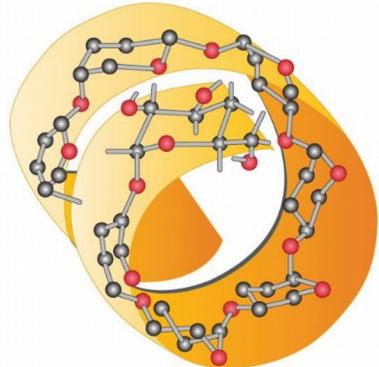


Cyclohexane

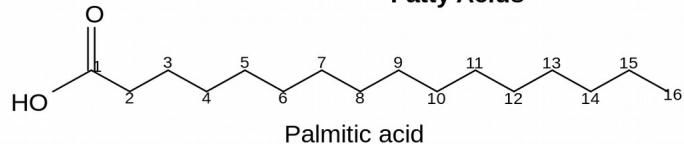
Household Chemicals



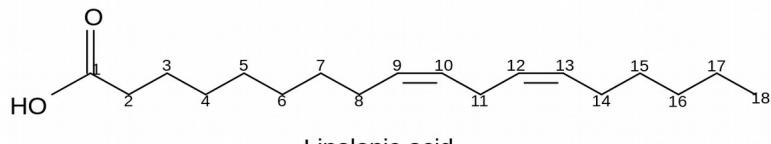
Amylose (starch)
 a chain of alpha glucose
 that bends into a helix.



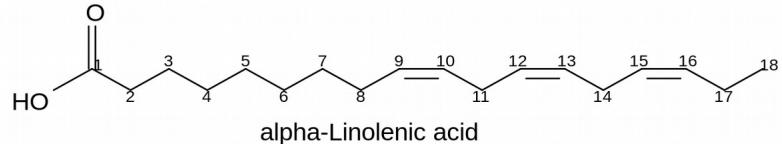
Fatty Acids



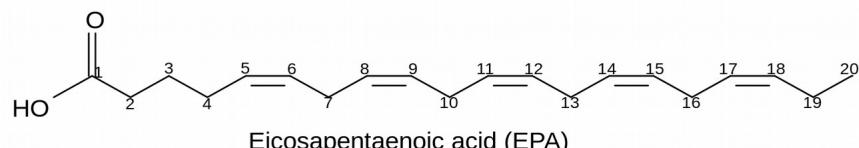
Palmitic acid
A common saturated fatty acid found in coconut palm oil



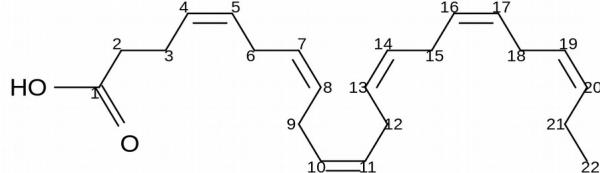
Linolenic acid
An essential omega-6 fatty acid found in vegetable oils



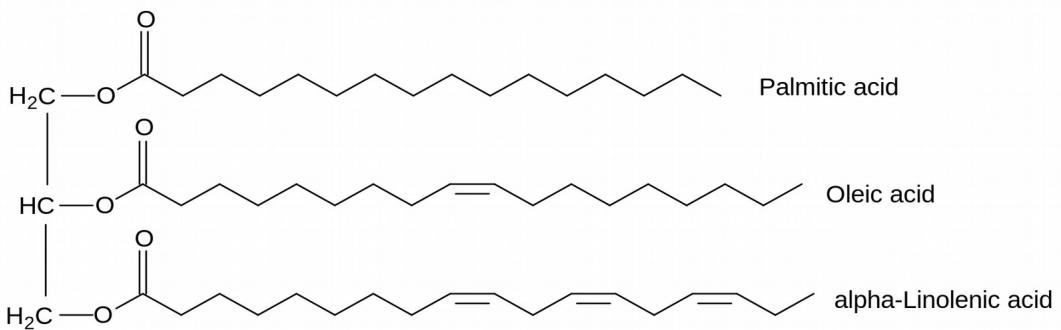
alpha-Linolenic acid
An essential omega-3 fatty acid found in vegetable oils



Eicosapentaenoic acid (EPA)
An essential omega-3 fatty acid found in fish oils

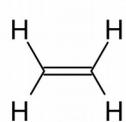
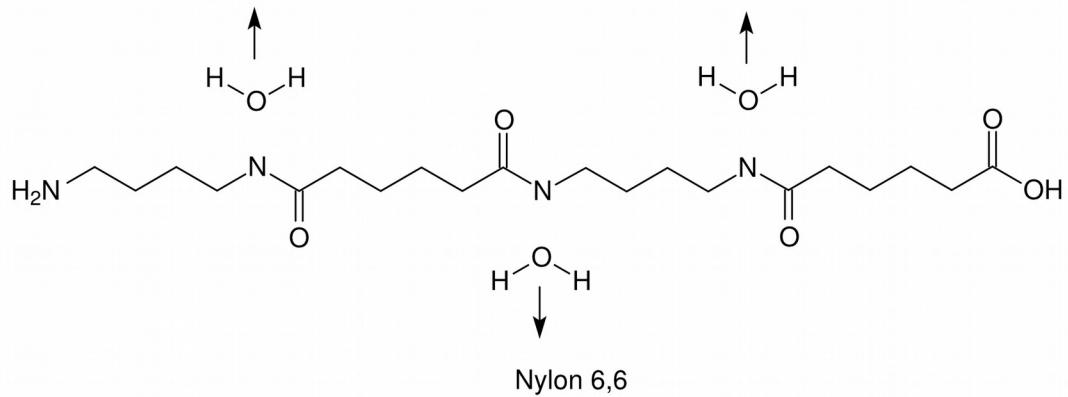
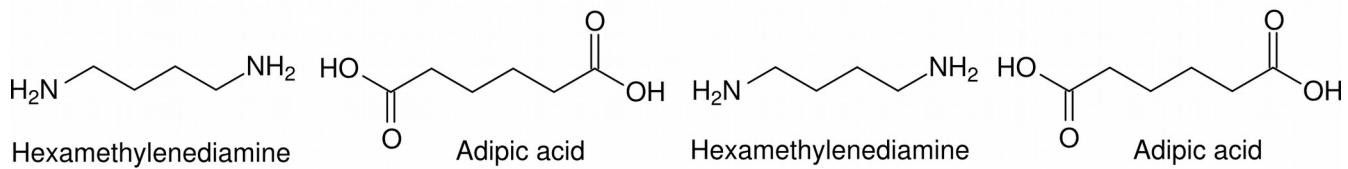


Docosahexaenoic acid (DHA)
An essential omega-3 fatty acid found in fish oils

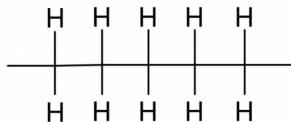


A triglyceride made from an saturated, monounsaturated, and polyunsaturated fatty acids

Polymers



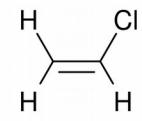
Ethylene



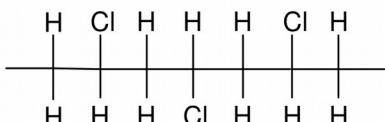
Polyethylene
(soft plastic bottles and bags)



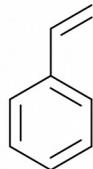
Tetrafluoroethylene Polytetrafluoroethylene
(Teflon)



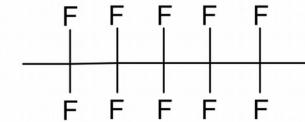
Chloroethylene
(vinyl chloride)



Polyvinyl chloride
(PVC)

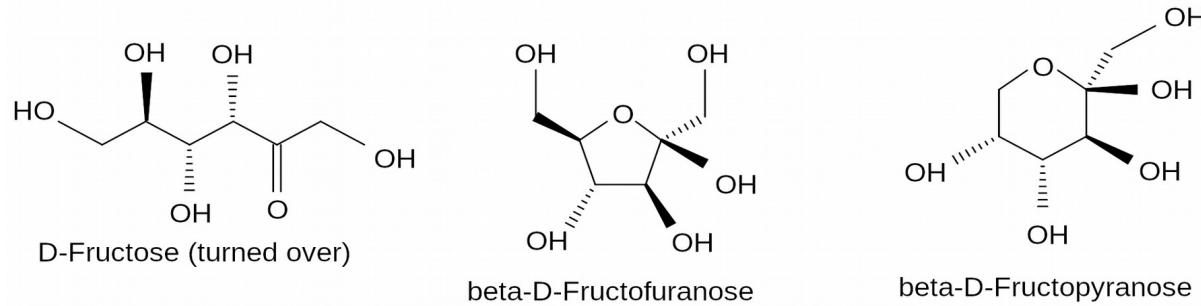
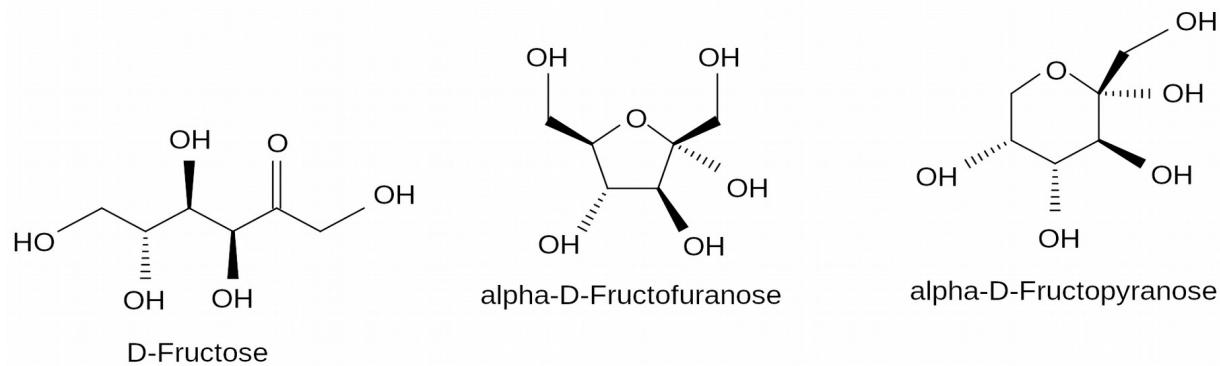
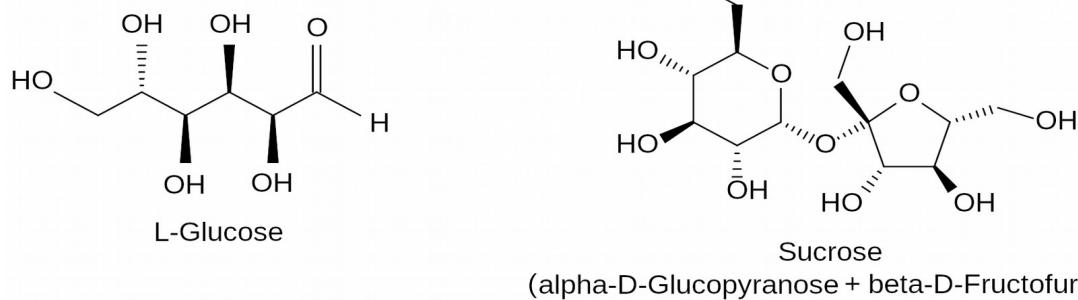
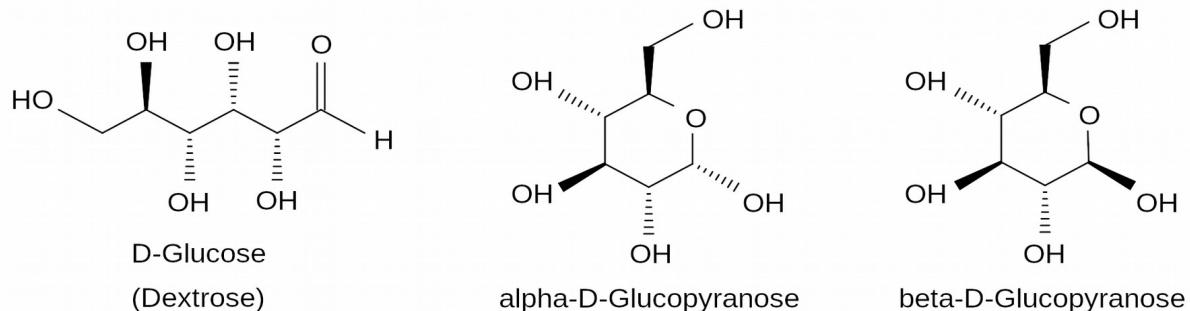
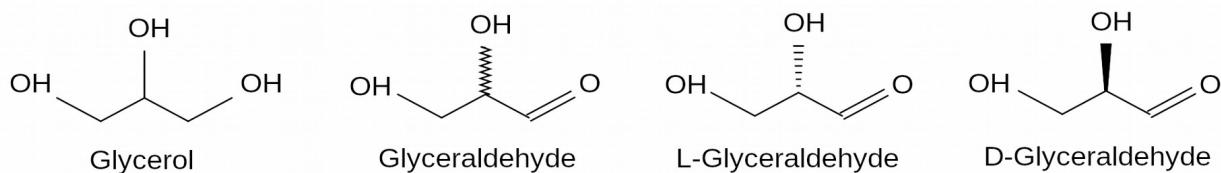


Styrene

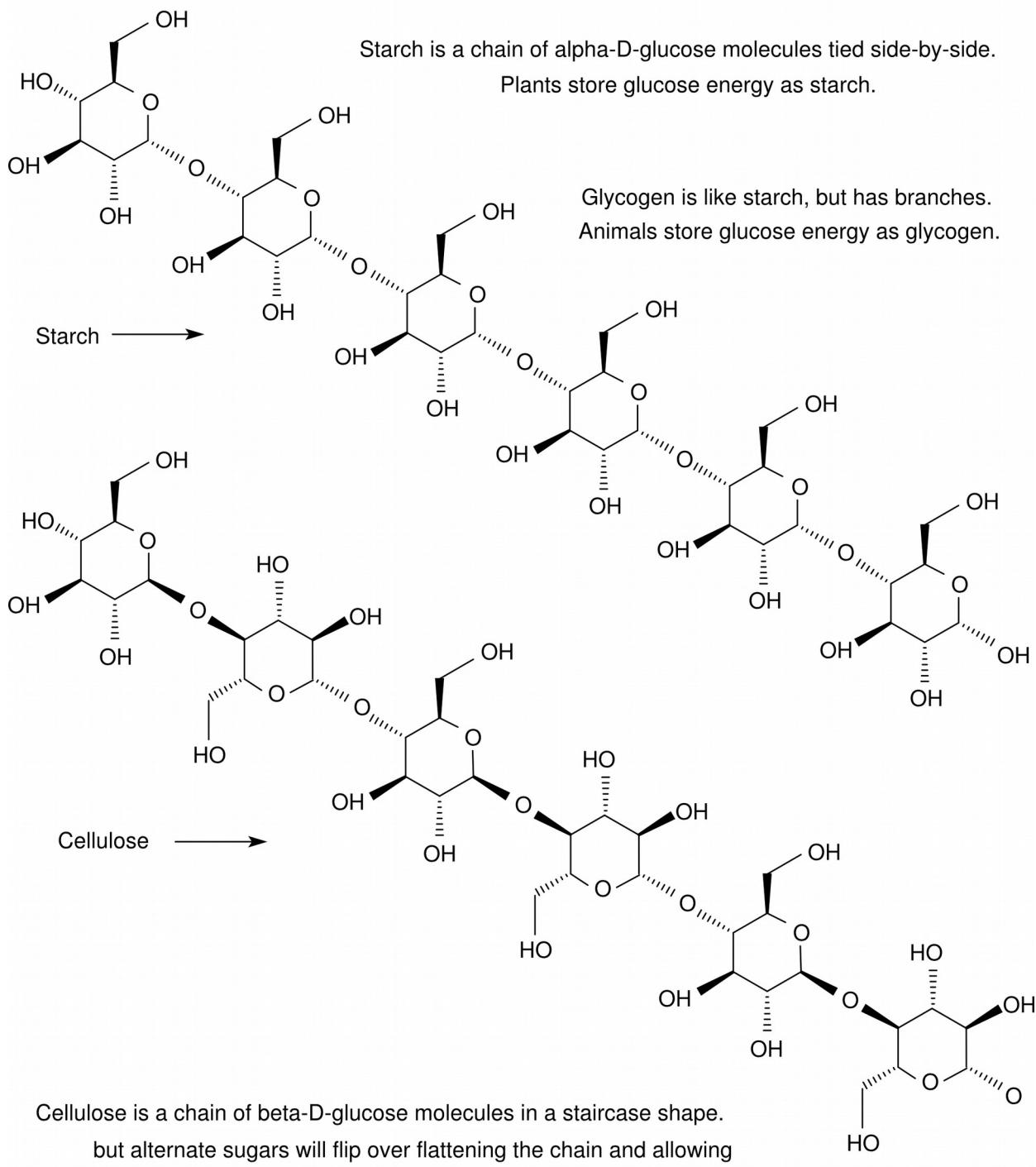


Polystyrene
(packing foam, CD cases, etc.)

Glycerol and Some Sugar Molecules

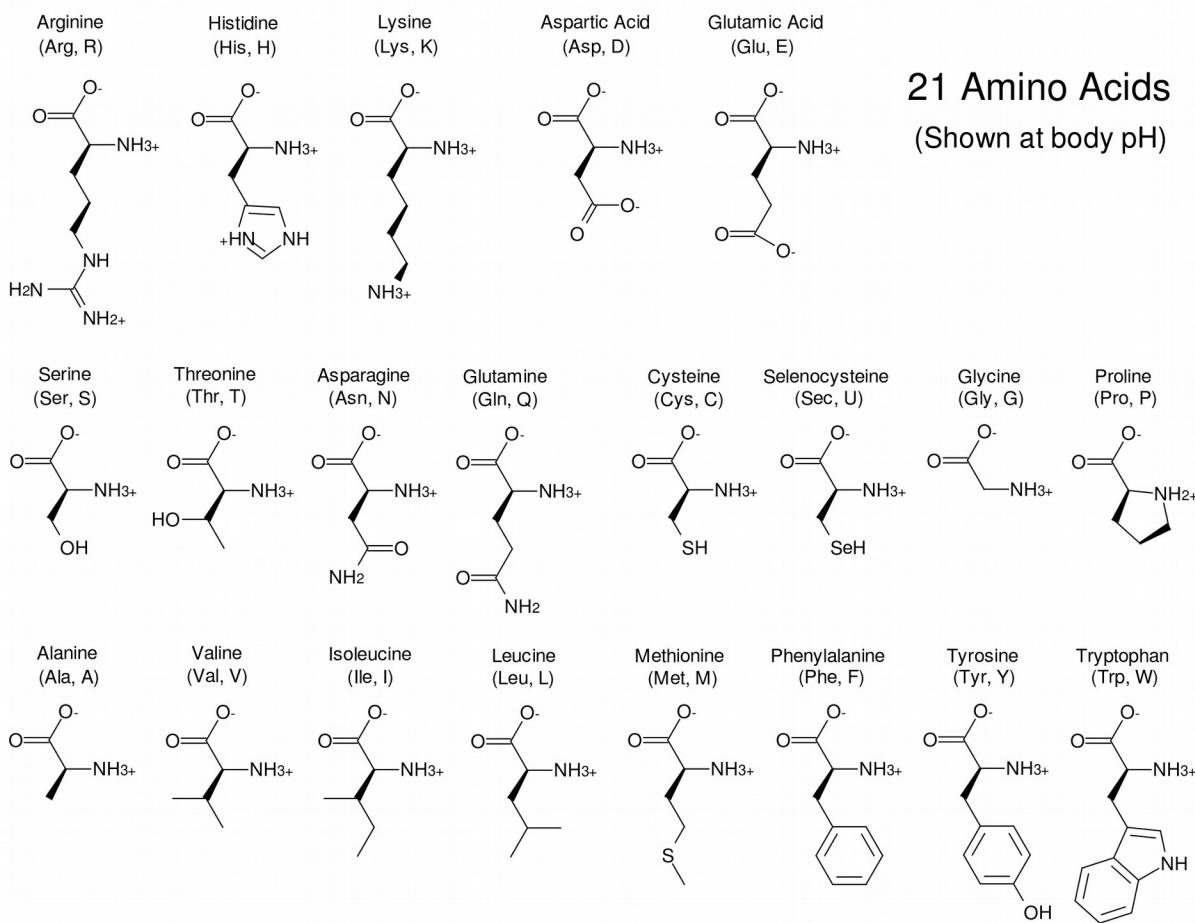


Starch, Glycogen, and Cellulose



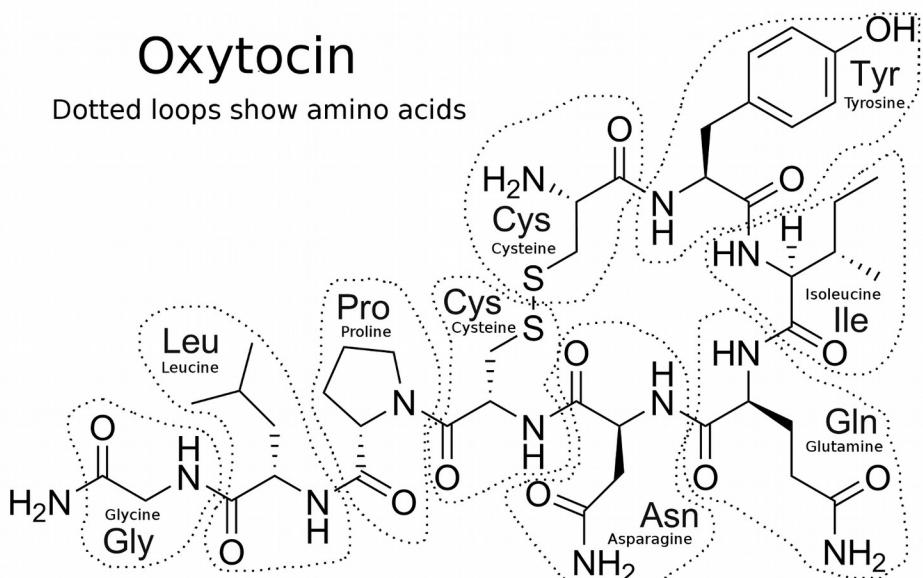
Cellulose is cross-linked by hydrogen bonding (not shown) between OH groups along their chains and between adjacent chains.

Plant structural material like wood and straw are made from cellulose.

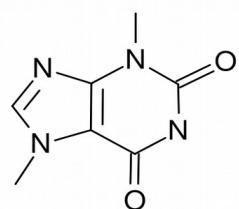
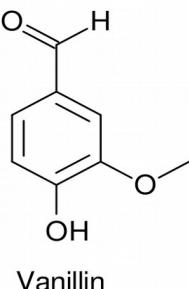
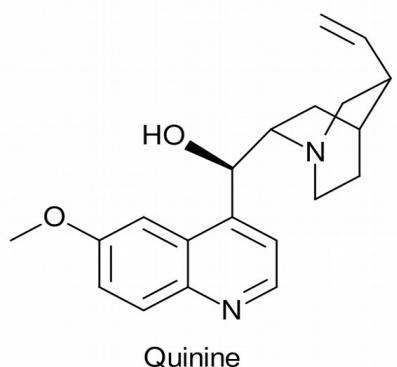
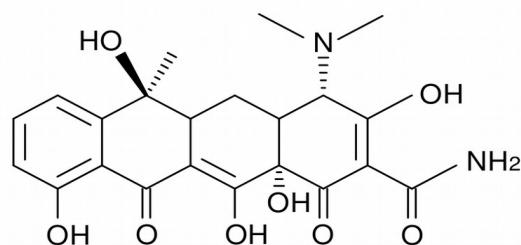
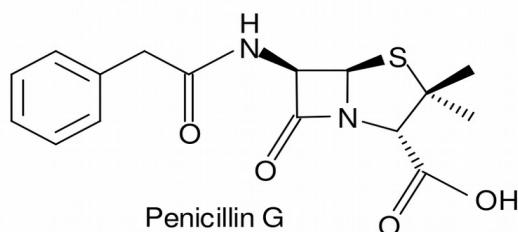
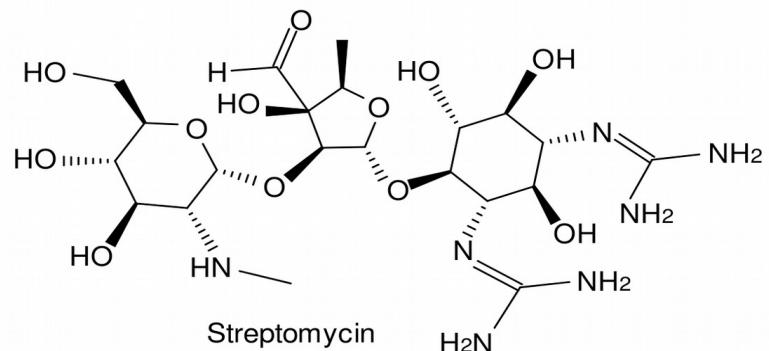
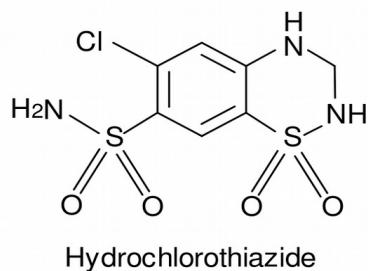
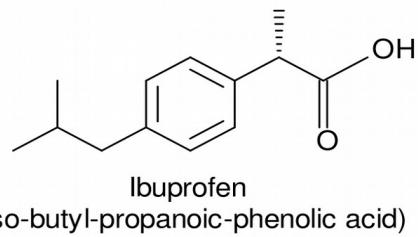
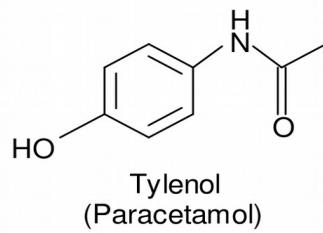
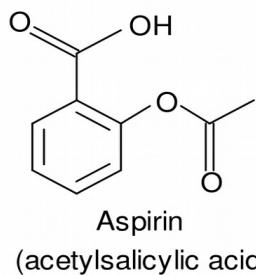


Oxytocin

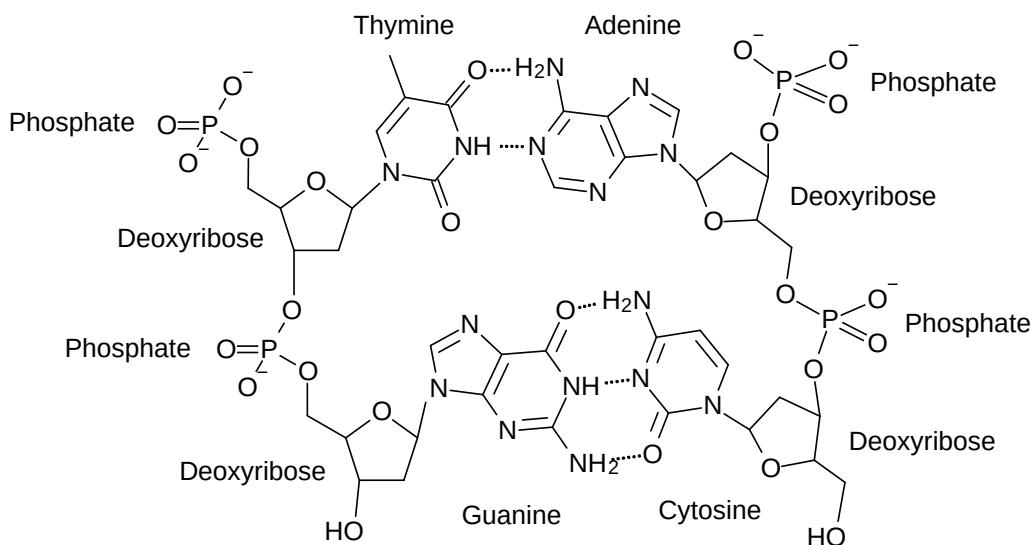
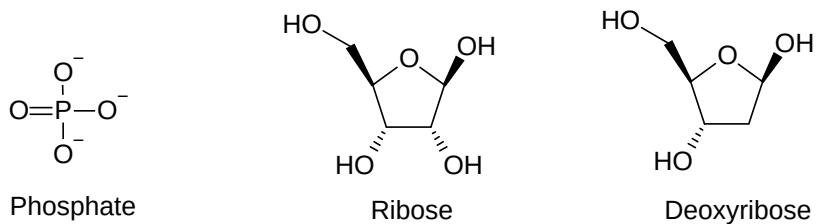
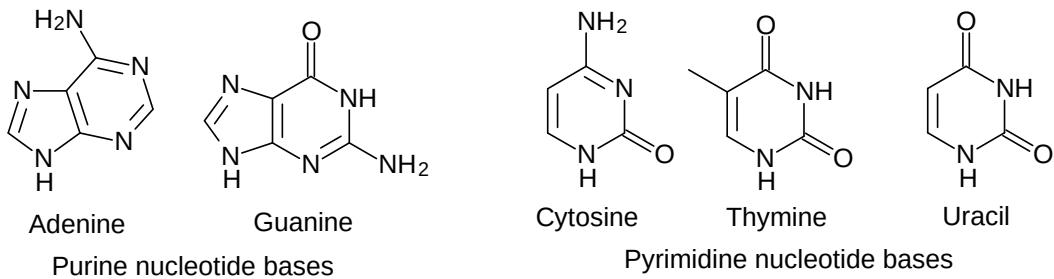
Dotted loops show amino acids



Some Medicinal Molecules and other Ring-Based Molecules

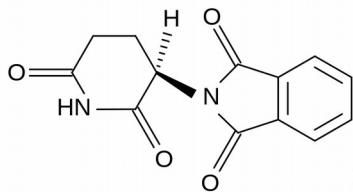


Nucleotides

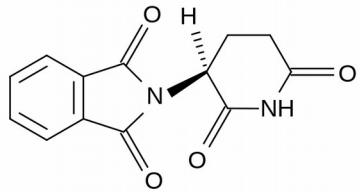


Two base pairs of DNA

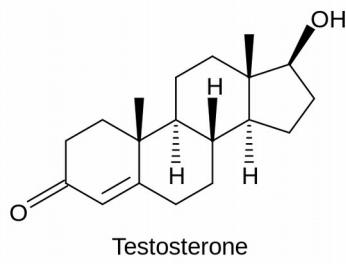
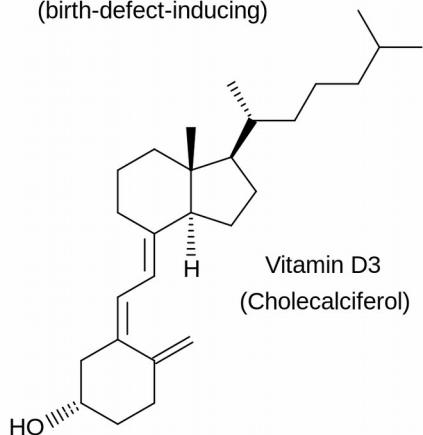
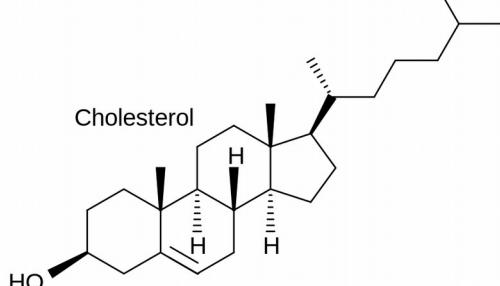
Hormones and Related Molecules



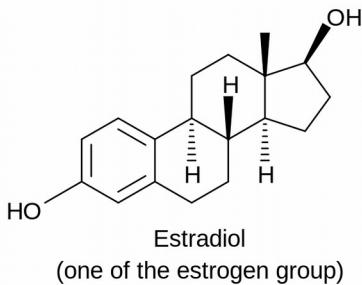
R-Thalidomide
(sleep-inducing)



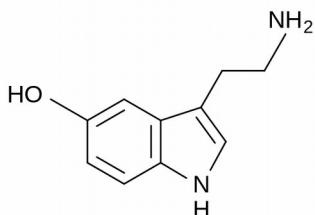
S-Thalidomide
(birth-defect-inducing)



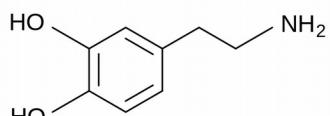
Testosterone



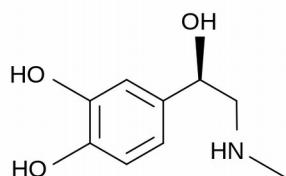
Estradiol
(one of the estrogen group)



Serotonin
(a neurotransmitter)

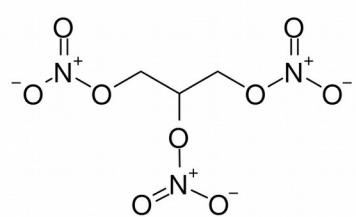


Dopamine
(a neurotransmitter)

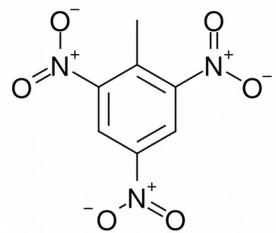


Adrenaline
(Epinephrine)

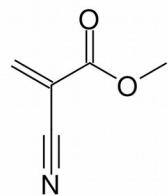
Other Interesting Compounds



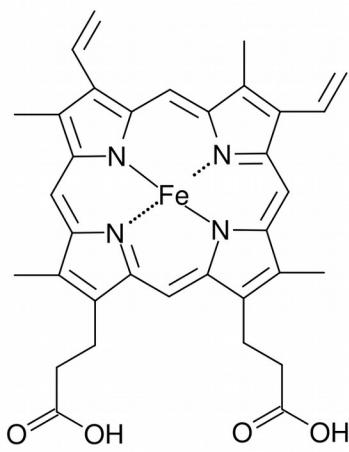
Nitroglycerin



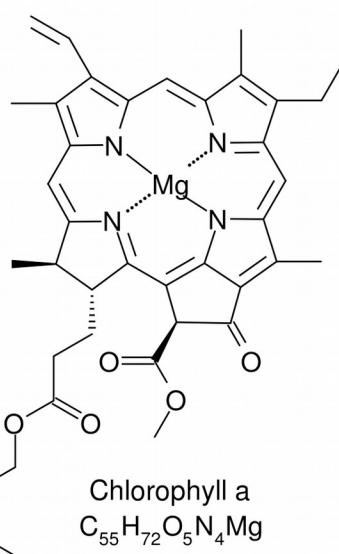
Trinitrotoluene
(TNT)



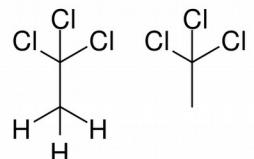
Methyl cyanoacrylate
(Superglue)



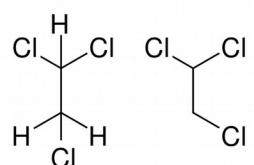
Heme B
 $\text{C}_{34}\text{H}_{32}\text{O}_4\text{N}_4\text{Fe}$



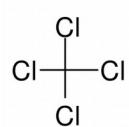
Chlorophyll a
 $\text{C}_{55}\text{H}_{72}\text{O}_5\text{N}_4\text{Mg}$



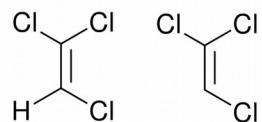
1,1,1 Trichloroethane



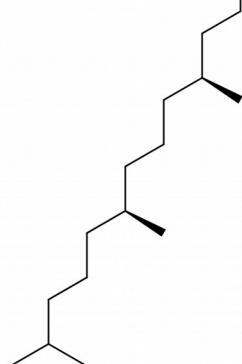
1,1,2 Trichloroethane



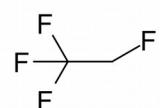
Carbon tetrachloride



Trichloroethylene



1,1,1,2-Tetrafluoroethane
R-134a refrigerant



Dichlorodifluoromethane
R-12 refrigerant