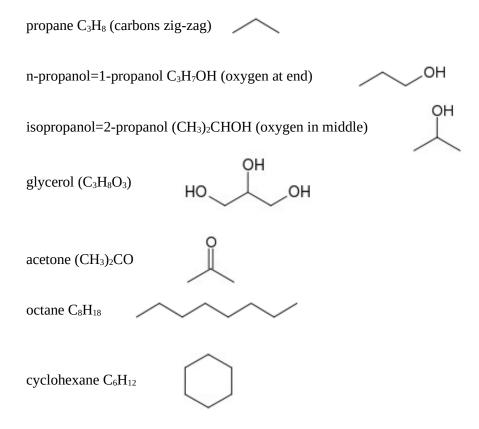
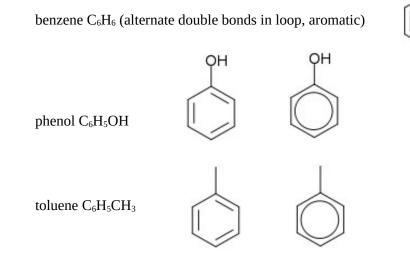
Simplified Molecule Diagrams

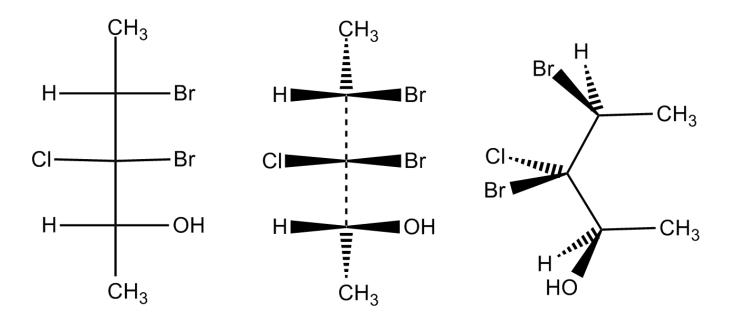
It turns out to be easy to figure where all the hydrogens are located in an organic molecule without showing them explicitly in the diagram. As a result, they are usually not shown. Furthermore, carbon atoms are located at the bends and ends of the bonds, so they also are not usually shown. Other atoms like oxygen and nitrogen are always shown as are hydrogens attached to those other atoms.



The symmetrical double bonds in benzene rings are often shown with an inner circle to indicate that the bonding electrons are shared by all 6 carbon atoms. Here are some examples:

or





All the same conformation of the same molecule

