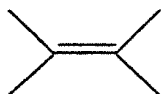


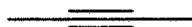
### Some Important FUNCTIONAL GROUPS

All of Organic Chemistry is centered around the concept of the "Functional Group" (FG). Reactions take place at the FG. Compounds are named according to the FGs present. The physical properties of compounds are altered by the FG present. It is important to be able to recognize FGs and to master the way names of compounds are derived from their presence. Many of the experiments in this manual are designed to assist you in learning about these important constituents of organic compounds. Listed below are several important FGs. Consult this listing, and your lecture text whenever a question about FGs arises.

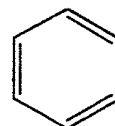
**MEMORIZE AS MANY FGs AS POSSIBLE,  
AS SOON AS POSSIBLE!**



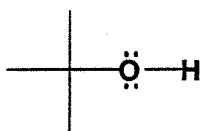
Alkene



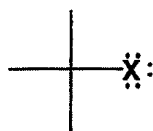
Alkyne



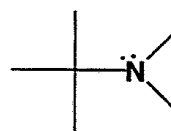
Arene



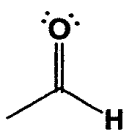
Alcohol



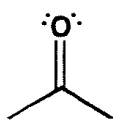
Alkyl Halide



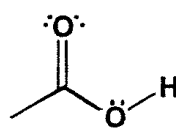
Amine



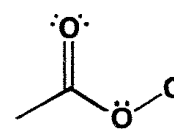
Aldehyde



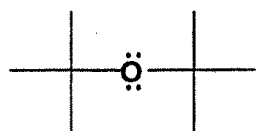
Ketone



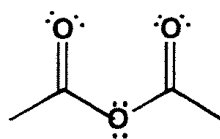
Carboxylic Acid



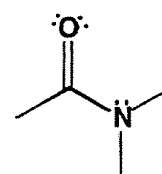
Ester



Ether



Anhydride



Amide