NAMING ORGANIC COMPOUNDS

SUMMARY OF RULES FOR NAMING ORGANIC COMPOUNDS:

- 1) Find the longest carbon chain which contains the functional group or multiple bond if present and name it (using the correct ending).
- 2) Number the longest chain (left to right or right to left) so that the functional group/multiple bond/longest side chain (branch) is on the lowest numbered carbon possible.
- 3) Name each side group but change the ending to -yl.
- 4) Use a prefix di-, tri-, tetra-, etc. to denote how many side groups of each length are present.
- 5) Before naming the side group give the number of the carbon to which the side group is attached.
- 6) Arrange the side groups in alphabetical order ignoring the prefixes di-,tri-, etc.

ORGANIC FUNCTIONAL GROUPS

NAME	FUNCTIONOL	ENDING
	GROUP	
1) ALCOHOL	_С—О—Н	-ol
1) ALCOHOL		-01
	H	
A) AI DEILINDE	1	
2) ALDEHYDE	—C=O	-al
	O	
	II	
3) ACID	—С—О—Н	-oic acid
	1	
4) ETHER	-C-O-C-	-yl -yl ether
4) ETTER	1	yr yr ether
	O II	
5) KETONE	R—C—R	-one
J) KETONE	1	one