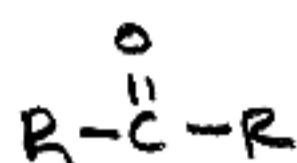


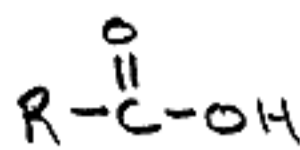
COMMON FUNCTIONAL GROUPS & IONS IN ORGANIC/BIOCHEMISTRY;



CARBONYL

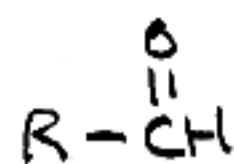


KETONE

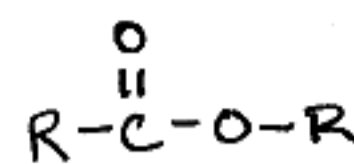


CARBOXYLIC ACID

(ACIDIC -COO⁻)



ALDEHYDE



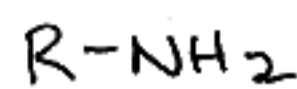
ESTER



ETHER

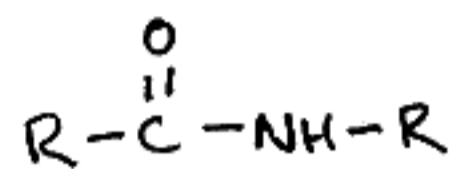


ALCOHOL



AMINO

(BASIC -NH₃⁺)



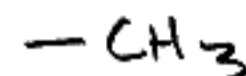
AMIDE

(NOT BASIC)

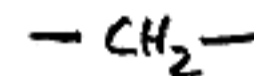


IMINE/SCHIFF BASE

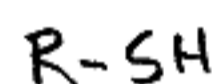
(CARBON-NITROGEN DOUBLE BOND)



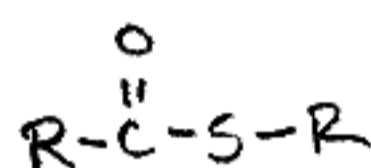
METHYL



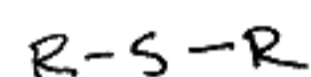
METHYLENE



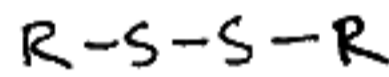
THIOL



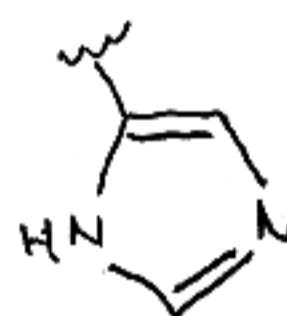
THIOESTER



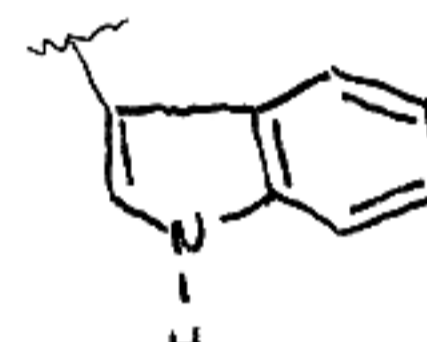
THIOETHER



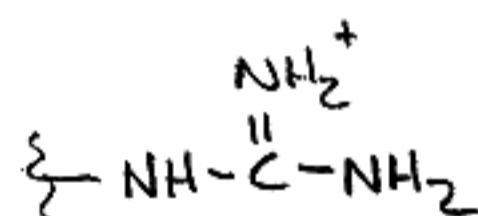
DISULFIDE



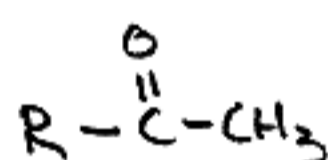
IMIDAZOLE



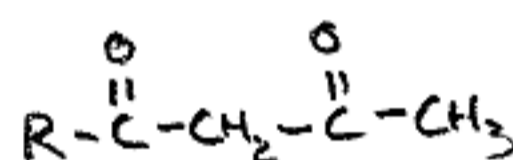
INDOLE



GUANIDINIUM



ACETYL



ACETOACETYL



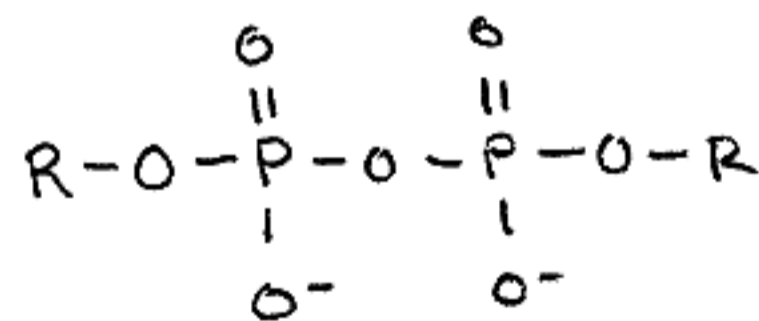
LACTONE

(CYCLIC ESTER)

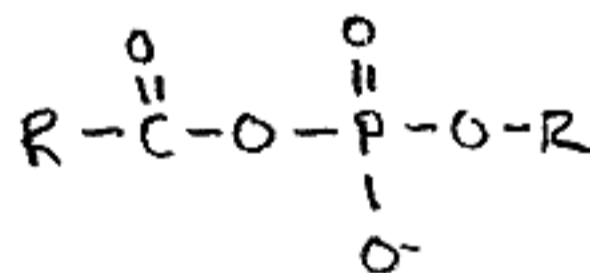


LACTAM

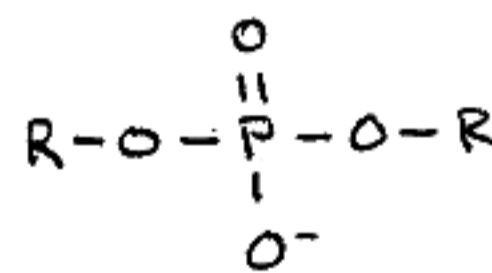
(CYCLIC AMIDE)



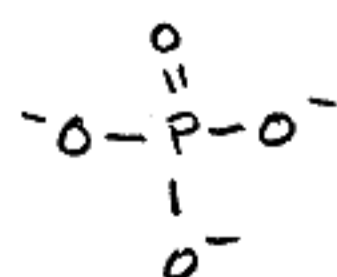
PHOSPHOANHYDRIDE



MIXED ANHYDRIDE

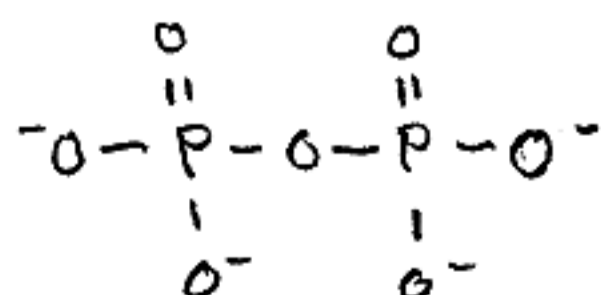


PHOSPHODIESTER



INORGANIC PHOSPHATE

(ORTHOPHOSPHATE)



PYROPHOSPHATE



ISOPRENE

UNIT