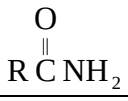
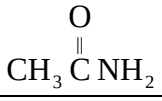
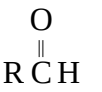
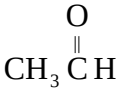
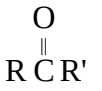
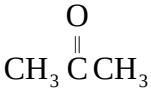
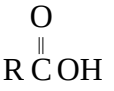
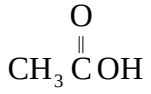
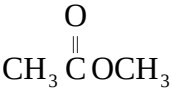
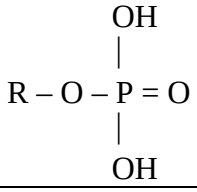
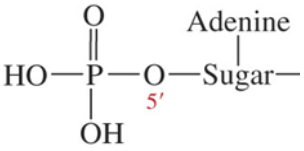
Organic Functional Group Handout

Family	Group	Example
Alkane	only single bonds	CH_3CH_3
Alkene	$C=C$	$CH_2=CH_2$
Alkyne	$C\equiv C$	$CH\equiv CH$
Alcohol	ROH	CH_3CH_2OH
Thiol	RSH	CH_3CH_2SH
Ether	ROR'	CH_3OCH_3
Amine	RNH_2	CH_3NH_2
Amide		
Aldehyde		
Ketone		
Carboxylic Acid		
Ester		
Cyano	R-CN	CH_3CN
Chloro	R-Cl	$CH_3CH_2CH_2Cl$
Phosphate		

Molecule	Functional Groups Present