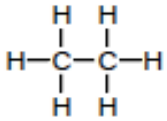
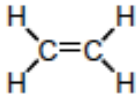
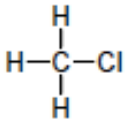
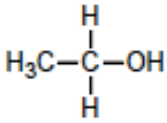
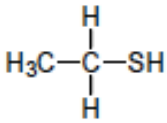
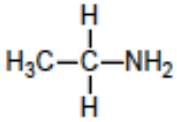
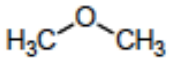
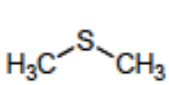
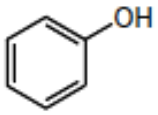
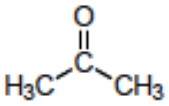
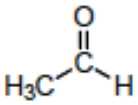
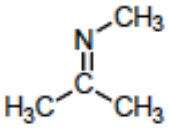
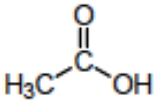
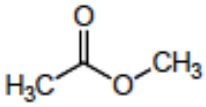
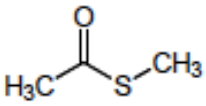
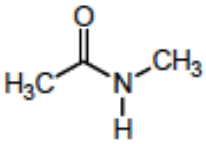
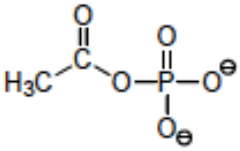
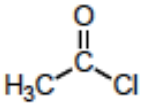
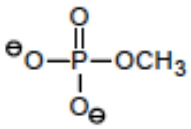
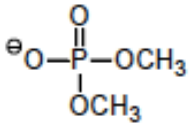
CHE 2060: Common functional groups & naming them

alkane		- **ane** suffix	eth<u>ane</u>
alkene		- **ene** suffix	1-eth<u>ene</u>
alkyne		- **yne** suffix	1-eth<u>yne</u>
aromatic hydrocarbon		Root name is benzene, phenol, or toluene.	benzene
alkyl halide		halo-	<u>1-chloro</u>methane
alcohol		- **ol** suffix	1-ethan<u>ol</u>
thiol		- **thiol** suffix	ethane<u>thiol</u>
amine		- **amine** suffix	ethyl<u>amine</u>
ether		Name the group on each side of the O.	<u>dimethyl</u>ether
sulfide		Name the group on each side of the S.	<u>dimethyl</u>thioether
phenol		Add subsitutents to phenol root name.	phenol

ketone		- **one** suffix	2-propan<u>one</u>
aldehyde		- **al** suffix	ethan<u>al</u>
imine (Schiff base)		- **imine** suffix	*never mind!*
carboxylic acid		- **oic acid** suffix	ethan<u>oic acid</u> (common: acetic acid)
ester		- **oate** suffix	<u>methyl</u> ethan<u>oate</u>
thioester		- **thioate** suffix	<u>methyl</u> ethyl<u>thioate</u>
amide		- **amide** suffix	N-methylethan<u>amide</u>
acyl phosphate		*NA*	
acid chloride		- **oyl** hal**ide** suffix	ethanoyl chloride
phosphate ester		*NA*	
phosphate diester		*NA*	