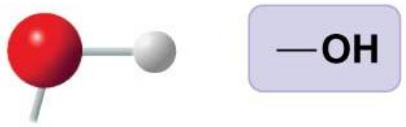
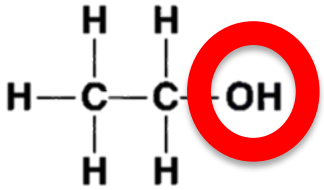
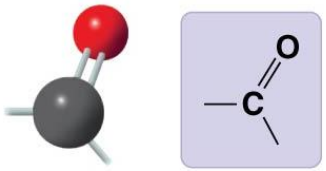
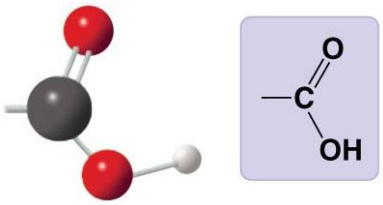
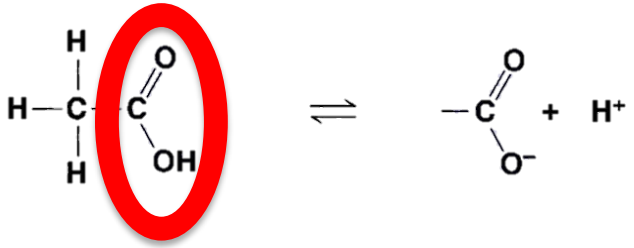
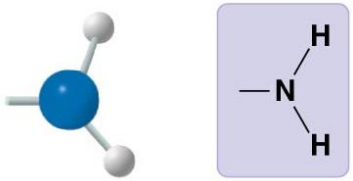
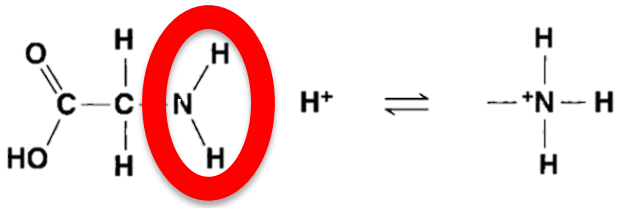
Name: _____ **Date:** _____

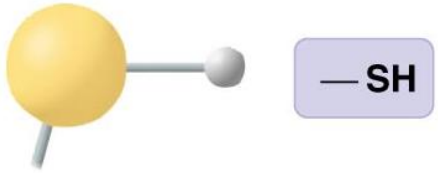
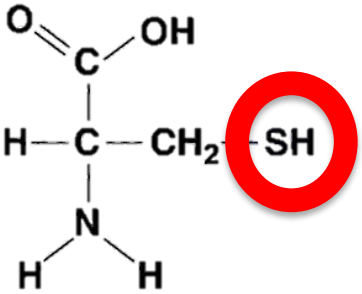
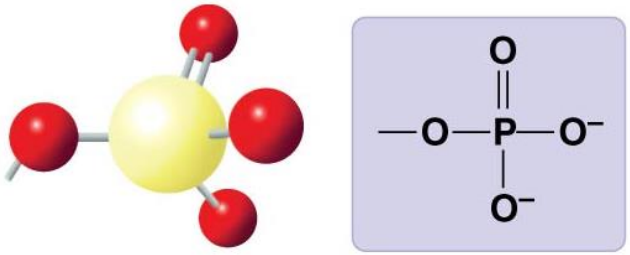
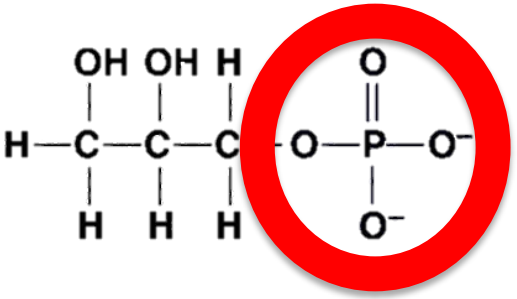
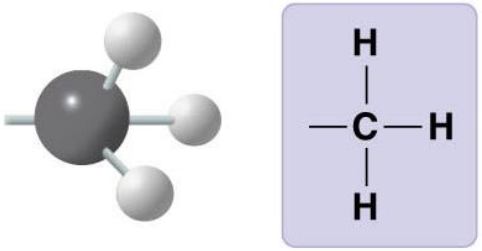
Functional Groups Worksheet

Relatively small, familiar clusters of atoms often determine the characteristics of larger biomolecules. These mini-molecules are known as ***functional groups*** *and are useful chemical "vocabulary words" toward learning the language of biochemistry.*

Name of Functional Group	Properties Imparted to Molecule	*Circle the Functional Group*
 Hydroxide Group	Polar Increases solubility *Alcohol*	
 Carbonyl Group	Polar *Ketone/aldehyde*	
 Carboxyl Group	Polar Acts as an acid *Carboxylic acid/organic acid*	
 Amino Group	Polar Acts as a base *Amine*	

Name: _____ **Date:** _____

Functional Groups Worksheet

Name of Functional Group	Properties Imparted to Molecule	*Circle the Functional Group*
 Sulfhydryl Group	Weakly polar Linkages (especially in hair, proteins) *Thiol*	
 Phosphate Group	Polar 1- or 2- charge *Organic Phosphate*	
 Methyl Group	Unreactive Deactivation *Methylated compound*