AP BIOLOGY
<b>BIOCHEMISTRY</b>
ACTIVITY #4

NAME	
DATE	HOUR

## **ORGANIC CHEMISTRY BASICS**

PROPERTIES OF CARBO	N:	
FUNCTIONAL GROUP	Drawing/Formula	PROPERTIES

FUNCTIONAL GROUP	DRAWING/FORMULA	PROPERTIES
Hydroxyl		
Carbonyl		

FUNCTIONAL GROUP	Drawing/Formula	PROPERTIES
Carboxyl		
Amino		
Sulfhydral		
Phosphate		
Methyl		

## QUESTION: CIRCLE AND IDENTIFY THE FUNCTIONAL GROUP(S) FOUND IN EACH OF THE FOLLOWING MOLECULES.

	1	
Molecule #1	Molecule #2	
H H O H R O—H	HO O OH   II   H—C—C—C—H     H H	
	Molecule #4	
Molecule #3		
Wildlecule #3		
о он он   Н Н   Н Н	H O H <sub>2</sub> N-C-C CH <sub>2</sub> OH SH	
Molecule #5		
$\begin{array}{c} CH_{2} - \mathring{N}(CH_{3})_{2} \\ CH_{2} \\ O = P - O^{-} \\ O \\ CH_{2} - CH - CH_{2} \\ O \\ C = O \\ C = O \\ (CH_{2})_{8} (CH_{2})_{7} \\ CH_{3} \end{array}$		