Name:		Per:	Date:	
	Organic Chem	nistry Study G	uide	
1. What element is in all organic co 2. Saturated hydrocarbons only co	•			
3. Alkynes have bonds, alka	anes have	bonds and	have dou	ole bonds.
4. What is the molecular formula f	9			
a. alkyne w/ 18 C's b. alka		c. alkene v	v/15 C's	
d. alkane w/ 21 C's e. alky	•			
5. Are the following alkanes, alken				
a. $C_3H_6$ b. $C_4H_{10}$				
6. What is the name of a ring of car				ole bonds?
7. What makes polymers stronger				and whee?
8. Which of the following is NOT at CH <sub>3</sub>	ii isoinei oi unis: Ci	13-Сп2-Сп2-С СН3	п2-Сп2-Сп2-Сп	and why:
GH3 I		C113		
<b>a.</b> CH <sub>3</sub> -C-CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>3</sub> <b>b.</b> CH <sub>3</sub>	-CH-CH-CH2-CH3	C. CH <sub>3</sub> .C-CH-	CH <sub>2</sub> <b>d</b> CH <sub>2</sub> CH-	CH=CH-CH2CH2
				011 011 0112 0113
ĊH₃	CH <sub>3</sub> CH <sub>3</sub>	CH₃ CH	3 CH <sub>3</sub>	
9. Draw the structures for the follo	owing:			
<b>a.</b> 2-methyl 4-ethyl 2-hexyne <b>b.</b>	1,3-pentadiene	<b>c.</b> 3,4-di	nethyl 1-heptyr	ie
<b>d.</b> 3,4-diethyl 1,7-decadiene	<b>e.</b> 2,3-dimethyl 5-	octyne <b>f.</b> 2-r	nethyl 3,4-dieth	yl 1,5,7 nonatriene
10. Name the following organic mo				
a. $\begin{array}{cccc} \operatorname{ch_3} & \operatorname{ch_3} & \mathbf{b}. \\ \operatorname{ch_3-chchch} & \end{array}$	c. d.	$\sim$		
e. CH3CCCH3	$\mathcal{L}$	I		
f. CH3CHCH2CHCH2	·			
g. CH2CHCH2CHCH2				
11. What functional groups exist in	n the following con	nnounds?		
a. $\parallel$ b. $\parallel$		_	AO.	e (2 Answers) 0
	F-C-CI	<b>u</b> .		ОН
12. Identify the polymer or the mo	nomer:			
a. Polymer:	Monomer:	Monosacchai	rides	
b. Polymer:Fats	Monomer:			
c. Polymer:	Monomer: Amino Acids			
d. Polymer:DNA	Monomer:			