

	hemistry of Carbon (page 44)
1. H0	w many valence electrons does each carbon atom have?
2. W	at gives carbon the ability to form chains that are almost unlimited in length? a carbon atom can bond to another
Macr	omolecules (page 45)
3. Ma	ny of the molecules in living cells are so large that they are known as
4. Wh	at is the process called by which macromolecules are formed? Polymenzanov
5. Wh	en monomers join together, what do they form?
6. Wh a. b. c. d.	at are four groups of organic compounds found in living things? Car bony drates Lipids Nucleic accords
	hydrates (pages 45-46) at atoms make up carbohydrates?
-	le the letter of each sentence that is true about carbohydrates.
50	tarches and sugars are examples of carbohydrates.
4	iving things use them as their main source of energy.
-	The monomers in sugar polymers are starch molecules.
	lants and some animals use them for strength and rigidity.
	tle sugar molecules are also called <u>MONOSO CC</u> D CCTOC
	alactose c. glucose lycogen d. fructose
υ. ε	rycogen d. Inderose
1. What	are polysaccharides? Macromolecules formed
F	rom monosaccharides
Z. How	do plants and animals store excess sugar?

3. What kinds of	atoms are lipids mostly made of?
A	common categories of lipids?
called	e formed when a glycerol molecule combines with compounds
. Circle the letter	of each way that fats are used in living things.
a. As parts of h	piological membranes
b. To store ener	rgy
c. To give plan	ts rigidity
d. As chemical	messengers
. Complete the ta	able about lipids.
	LIPIDS
and of Lipid	Description
saturalted	Each carbon atom in a lipid's fatty acid chain is joined to another carbon atom by a single bond.
Insaturated	at least one carbon double bond
olyun- saturated	A lipid's fatty acids contain more than one double bond.
ucleic Acids 3. Nucleic acids co	(page 47) ontain what kinds of atoms? H, D, N, C, P
. The monomers	that make up nucleic acids are known asnucleotides
	nsists of what three parts?

a b	0.14	
	reins (pages 47-48) roteins contain what kinds of atoms?	
Pı	roteins are polymers of molecules called	
	That are four roles that proteins play in living things? Control rate of reactions, regulate cell proces Form structure (muscle, skin, hair) transport substances in out cell	SE

What is the function of mustaic acids in living things?