Name_			_ Class		Date
Sectio	on 2–3 (Carbon Comp	oounds (p	ages 44–48)	
			. 11 . 6		
carbon, o		now the element carl npounds. It also desciving things.			
The Cl	hemistry (of Carbon (page	44)		
1. Hov	v many vale	nce electrons does	each carbon a	tom have?	
2. Wha	at gives carb	on the ability to fo	rm chains tha	t are almost unli	imited in length?
Macro:	molecules	6 (page 45)			
3. Mar	ny of the mo	lecules in living ce	lls are so large	that they are k	nown as
4. Wha	at is the pro	ess called by whic	h macromolec	rules are formed	?
	_	-			
6. Wha	at are four gr	oups of organic cor	mpounds foun	d in living thing	s?
a					
b					
c. _					
d. _					
Carbol	hydrates	(pages 45–46)			
	-	ke up carbohydrat	es?		
		-			
8. Circ	le the letter	of each sentence th	nat is true abo	ut carbohydrates	S.
a. S	tarches and	sugars are exampl	es of carbohyo	drates.	
b. L	iving things	use them as their	main source o	of energy.	
c. T	he monome	rs in sugar polyme	ers are starch r	nolecules.	
d. P	lants and so	me animals use th	em for strengt	h and rigidity.	
9. Sing	gle sugar mo	lecules are also cal	led	·	
		of each monosacch			
_		b. glycogen	_		
11. Wha	at are polysa	ccharides?			
12. Hov	v do plants a	and animals store o	excess sugar?		

Name		Class	Date					
Lipids (pages 4	6–47)							
13. What kinds of atoms are lipids mostly made of?								
	14. What are three common categories of lipids?							
a b c								
15. Many lipids are formed when a glycerol molecule combines with compounds called								
16. Circle the letter of each way that fats are used in living things.								
a. As parts of biological membranes								
•	b. To store energy							
	lants rigidity							
0 1	cal messengers							
	e table about lipi	ds.						
		LIPIDS						
Kind of Lipid Descrip								
		atom in a lipid's fatty acid cha by a single bond.	ain is joined to another					
Unsaturated								
	A lipid's fatty a	acids contain more than one	double bond.					
Nucleic Acid	S (page 47)							
18. Nucleic acids contain what kinds of atoms?								
19. The monomers that make up nucleic acids are known as								
20. A nucleotide consists of what three parts?								
20. Tradecodde collobo of what three parts.								
21. What is the function of nucleic acids in living things?								

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Naı	me	Class	Date			
22.	What are two kinds of nucleic a					
	b					
24.	Proteins are polymers of molecules called					
25.	5. What are four roles that proteins play in living things?					
	a					
	b					
	с					
	-					

Reading Skill Practice

You can often increase your understanding of what you've read by making comparisons. A compare-and-contrast table helps you to do this. On a separate sheet of paper, make a table to compare the four groups of organic compounds you read about in Section 2–3. You might use the heads *Elements, Functions*, and *Examples* for your table. For more information about compare-and-contrast tables, see Organizing Information in Appendix A.