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)		
<b>1.</b> 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)			
<b>3.</b> Mar	ny of the mo	lecules in living ce	lls are so large	that they are k	nown as
4. Wha	at is the prod	ess called by whic	h macromolec	rules are formed	?
	_	-			
<b>6.</b> Wha	at are four gr	oups of organic cor	mpounds foun	d in living thing	s?
a					
b					
<b>c.</b> _					
<b>d.</b> _					
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>b.</b> L	iving things	use them as their	main source o	of energy.	
<b>c.</b> T	he monome	rs in sugar polyme	ers are starch r	nolecules.	
<b>d.</b> P	lants and so	me animals use th	em for strengt	h and rigidity.	
<b>9.</b> Sing	gle sugar mo	lecules are also cal	led	·	
		of each monosacch			
_		<b>b.</b> glycogen	_		
<b>11.</b> Wha	at are polysa	ccharides?			
<b>12.</b> 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							
<b>16.</b> Circle the letter of each way that fats are used in living things.							
a. As parts of biological membranes							
•	<b>b.</b> To store energy						
	c. To give plants rigidity						
0 1	cal messengers						
	e table about lipi	ds.					
		LIPIDS					
Kind of Lipid	Description						
		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. Tradecodae consists of what three parts.							
21. What is the function of nucleic acids in living things?							
	in the state of the state of						

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Naı	ne	Class	Date			
22.	What are two kinds of nucleic a a.					
	<b>b.</b>					
20.						
24.	Proteins are polymers of molecules called					
25.	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.