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Name	Class	Date
Lipids (pages 46–47)		
13. What kinds of atoms are lip hydrogen atoms.	ids mostly made of?	They are made mostly of carbon and
14. What are three common cate a. Fats	0 1	c. Waxes
15. Many lipids are formed who called fatty acids	en a glycerol molecule 	combines with compounds
16. Circle the letter of each way	that fats are used in l	iving things.
a.) As parts of biological me	embranes	
b. To store energy		
c. To give plants rigidity		

LIPIDS

Kind of Lipid	Description
Saturated	Each carbon atom in a lipid's fatty acid chain is joined to another carbon atom by a single bond.
Unsaturated	There is at least one carbon-carbon double bond in a fatty acid.
Polyunsaturated	A lipid's fatty acids contain more than one double bond.

Nucleic Acids (page 47)

d. As chemical messengers17. Complete the table about lipids.

18.	Nucleic acids contain what kinds of atoms?	They contain hydrogen, oxygen, nitrogen,
	carbon, and phosphorus atoms.	

19.	The monomers	that make ur	o nucleic acids are known as	nucleotides
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- **20.** A nucleotide consists of what three parts? It consists of a nitrogenous base, a phosphate group, and a 5-carbon sugar.
- 21. What is the function of nucleic acids in living things? Nucleic acids store and transmit hereditary, or genetic, information.

Naı	ame C	lass	Date
Cha	napter 2, The Chemistry of Life (conti	nued)	
22.	What are two kinds of nucleic acids?a. Ribonucleic acid (RNA)		
	b. Deoxyribonucleic acid (DNA)		
Pro	coteins (pages 47–48)		
23.	Proteins contain what kinds of atoms?	They contain nitrogen, carbon	, hydrogen, and
	oxygen atoms.		
24.	. Proteins are polymers of molecules called	amino acids	
25.	. What are four roles that proteins play ir	living things?	
	a. Some control the rate of reactions and rec	julate cell processes.	
	b. Some are used to form bones and muscle	S.	
	c. Some transport substances into or out of	cells.	

Reading Skill Practice

d. Some help to fight diseases.

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.

Students' tables should include the basic information about carbohydrates, lipids, nucleic acids, and proteins.