Name	Class	Date
Skills Worksheet		
Active Reading		•

Section: Chemistry of Cells

Read the passage below. Notice that the sentences are numbered. Then answer the questions that follow.

¹ Carbohydrates are organic compounds made of carbon, hydrogen, and oxygen atoms in the proportion of 1:2:1. ² Carbohydrates are a key source of energy, and they are found in most foodsespecially fruits, vegetables, and grains. 3 The building blocks of carbohydrates are single sugars called monosaccharides, such as glucose, C₆H₁₂O₆, and fructose. ⁴ Glucose is a major source of energy in cells. ⁵ Disaccharides are double sugars formed when two monosaccharides are joined. ⁶ For example, sucrose, or common table sugar, consists of glucose and fructose. ⁷ Polysaccharides are chains of three or more monosaccharides. ⁸ A polysaccharide is an example of a macromolecule, a large molecule made up of many smaller molecules.

SKILL: READING EFFECTIVELY

2.	What does the 2 represent in the proportion given in Sentence 1?
3.	What three food groups are good sources of carbohydrates?
4.	The prefix <i>mono-</i> means "one." What word in Sentence 3 contains this prefix? What is the meaning of this word?

Active Reading continued		Date
5. What chemical formumolecule of this comp	la is given in Sentence 3? pound?	How many atoms are in a
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6. The prefix di - means What is the meaning	"two." What term in Sent of this term?	ence 5 contains this prefix?
· .		
T C to G which	two monosaccharides joi	in to form table sugar?
7. in Sentence o, which	[WO IIIOIIOSaccitarides]o.	Mt 10 101111 1111 1111 1111 1111
	And the second s	
8. The prefix <i>poly</i> - mea this prefix? What is t	ins "more than one." What the meaning of this term?	
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