

**Cell Processes and Energy • Key Terms**

**Key Terms**

Match each definition on the left with the correct term on the right. Then write the number of each term in the appropriate box below. When you have filled in all the boxes, add up the numbers in each column, row, and two diagonals. The sums should be the same. Some terms may not be used.

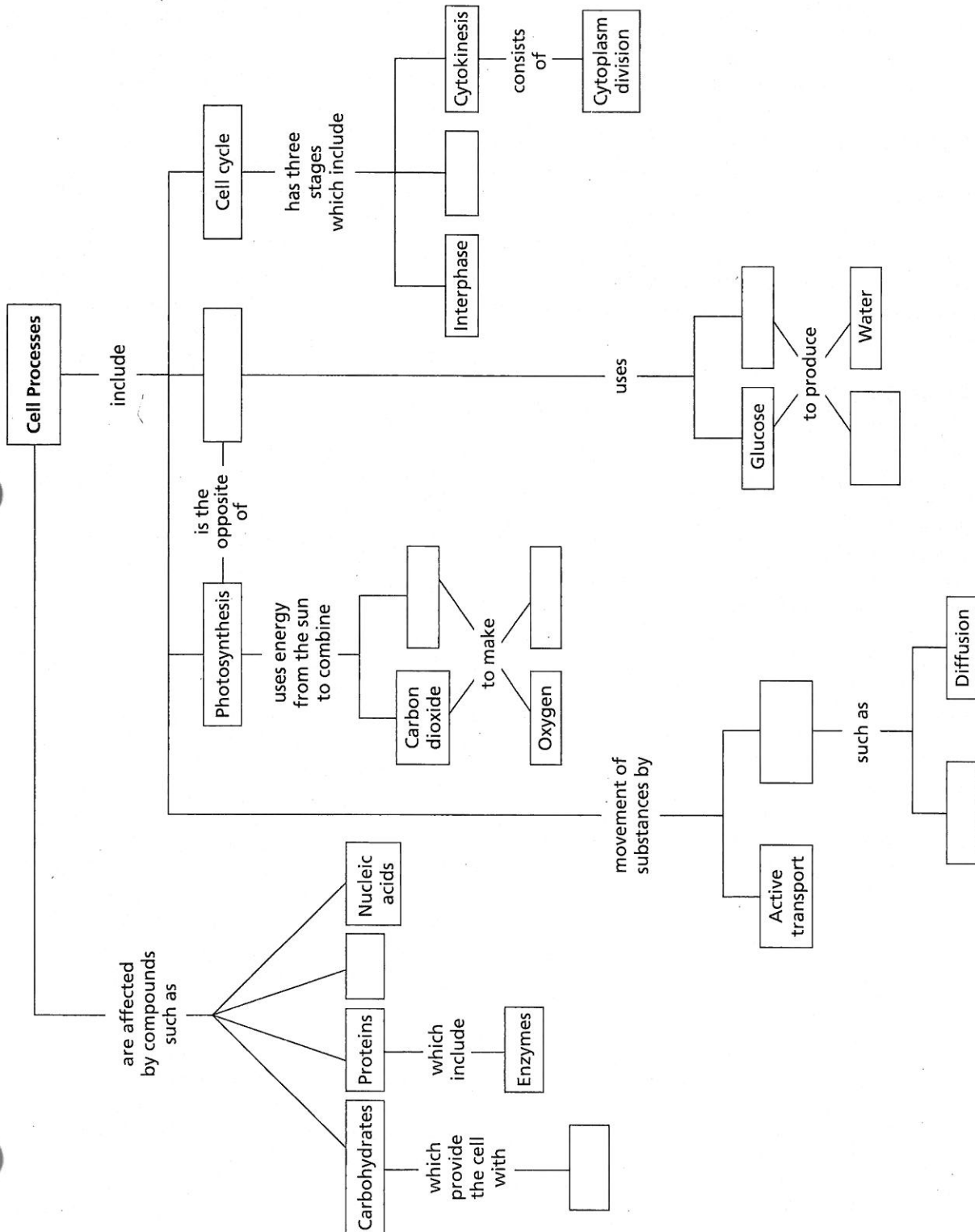
- |   |  |
|---|--|
| <p><b>A.</b> The process by which a cell captures energy in sunlight and uses it to make food</p> <p><b>B.</b> The division of a nucleus into two new nuclei</p> <p><b>C.</b> The movement of materials through a cell membrane without using cellular energy</p> <p><b>D.</b> An energy-rich compound such as sugar</p> <p><b>E.</b> Process by which cells obtain energy from glucose</p> <p><b>F.</b> Process by which molecules move from an area of higher concentration to one of lower concentration</p> <p><b>G.</b> Colored chemical compound that absorbs light</p> <p><b>H.</b> First stage of the cell cycle</p> <p><b>I.</b> Protein that speeds up chemical reactions</p> | <p>1. mitosis</p> <p>2. active transport</p> <p>3. pigment</p> <p>4. enzyme</p> <p>5. diffusion</p> <p>6. respiration</p> <p>7. carbohydrate</p> <p>8. photosynthesis</p> <p>9. passive transport</p> <p>10. chromosome</p> <p>11. interphase</p> <p>12. lipid</p> |
|---|--|

<b>A</b>	<b>B</b>	<b>C</b>	
—	—	—	= —
<b>D</b>	<b>E</b>	<b>F</b>	
—	—	—	= —
<b>G</b>	<b>H</b>	<b>I</b>	
—	—	—	= —
=	=	=	= —
—	—	—	—

**Cell Processes and Energy** ▪ *Connecting Concepts*

# Connecting Concepts

Develop a concept map that uses the Key Concepts and Key Terms from this chapter. Keep in mind the big ideas of this chapter. The concept map shown is one way to organize how the information in this chapter is related. You may use an extra sheet of paper.



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