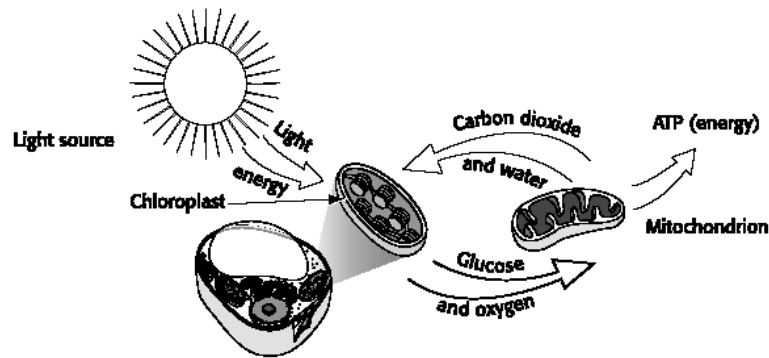


Photosynthesis & Respiration Connection

Name: _____

Period: _____

Use Chapter 5, Section 1 of your textbook to answer the questions below. A ★ means a two word answer.



Use the figure above and Figure 3 on p.150 to answer questions 1, 2, and 3.

- _____ 1. Look at the figure. Which two processes does it show?

a. photosynthesis and breathing	c. growing and cellular respiration
b. breathing and growing	d. photosynthesis and cellular respiration

- _____ 2. Look at the color coding in Figure 3. Where does the process of cellular respiration take place?

a. in the mitochondrion	b. in the cell membrane	c. in the fluids	d. in the chloroplast
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- _____ 3. Look at the figure. Besides energy (ATP), what else is released during cellular respiration?

a. carbon dioxide (CO ₂) and oxygen (O ₂)
b. carbon dioxide (CO ₂) and glucose (C ₆ H ₁₂ O ₆)
c. carbon dioxide (CO ₂) and water (H ₂)

Connection Between Photosynthesis and Respiration (p.151)

4. When cells take in carbon dioxide (CO₂) to make glucose and release oxygen (O₂), it is called _____.

5. When cells use oxygen (O₂) to break down glucose and release carbon dioxide (CO₂), this is _____.

Fermentation (p.151)

6. Muscle cells use fermentation to get energy when they cannot get the gas _____ for cellular respiration.

7. The buildup of _____ causes muscle fatigue & a burning feeling in the muscles. ★

8. Besides occurring in animals, fermentation can also happen in _____ and _____.