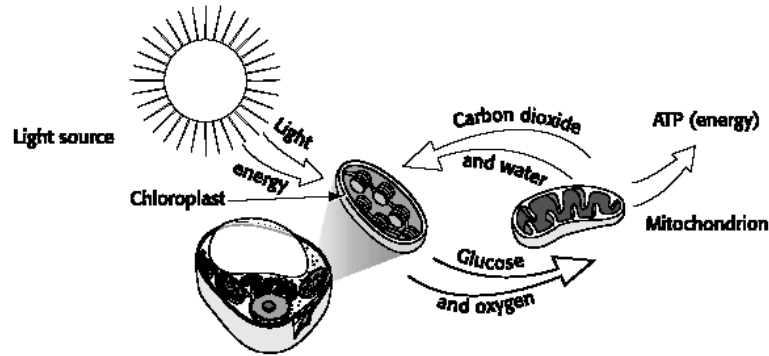


Photosynthesis & Respiration Connection

Use Chapter 5, Section 1 of your textbook to answer the questions below.



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
  - b. breathing and growing
  - c. growing and cellular respiration
  - d. photosynthesis and cellular respiration
  
- \_\_\_\_\_ 2. Look at 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
  
- \_\_\_\_\_ 3. Look at the figure. Besides energy (ATP), what else is released during cellular respiration?
  - a. carbon dioxide and oxygen
  - b. carbon dioxide and glucose
  - c. carbon dioxide and food
  - d. carbon dioxide and water

**Connection Between Photosynthesis and Respiration (p.151)**

- 4. When cells take in carbon dioxide to make glucose and release oxygen, it is called \_\_\_\_\_ .
  
- 5. When cells use oxygen to break down glucose and release carbon dioxide, 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 and a burning feeling in the muscles.
  
- 8. Besides occurring in animals, fermentation can also happen in \_\_\_\_\_ and \_\_\_\_\_ .