

# Concept Review Photosynthesis And Respiration Answers

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Answers Chapters 8 & 9 Review – Photosynthesis & Cellular Respiration  
 Photosynthesis: 1. What is the term for the ability to perform work? Energy 2. Organisms that make their own food are called producers or Autotroph. 3. Give three examples of a producer. Plants, green algae, monerans (prokaryotes) 4.

CONCEPT REVIEW Photosynthesis and Respiration continued The concept map below illustrates cellular respiration. Compare the map with the discussion of this topic in your textbook. Then do the exercises that follow. 9. Place a star in each of the boxes that show stored energy. 10. Color the boxes in the concept map above.

Photosynthesis and Respiration What is the relationship between photosynthesis and cellular respiration? Why? Photosynthesis and cellular respiration are important cell energy processes. They are connected in ways that are vital for the survival of almost all forms of life on earth. In this activity you will look at these two

6) Review answers as a whole class and make sure students comprehend the main concepts presented in the video. If possible, ask students to summarize the video in 3 – 5 sentences. Note: point out to students that they may have to know the chemical equation for photosynthesis for the 2014 GED Science test. Make sure they understand it.

Photosynthesis Some of the worksheets for this concept are Cellular respiration work, Photosynthesis and respiration, Photosynthesis and cellular respiration, Bio 101 work metabolism and cellular respiration, , Respiration, Photosynthesis cellular respiration review, Work for cellular respiration and photosynthesis.

Photosynthesis Vs. Cellular Respiration Review Complete the following chart to compare these two processes:  
 Photosynthesis Cellular Respiration Overall word equation: Carbon dioxide and water sugar and oxygen Oxygen and sugar water and carbon dioxide Overall chemical equation:  $6\text{CO}_2 + 6\text{H}_2\text{O} + \text{light} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$   
 $6\text{O}_2 + \text{C}_6\text{H}_{12}\text{O}_6 \rightarrow 6\text{CO}_2$

Photosynthesis and Cellular Respiration Using the terms and phrases provided below, complete the concept map showing the characteristics of cellular respiration. anaerobic process electron transport chain fermentation which is an as is which recycles glucose glycolysis Krebs cycle Cellular respiration often begins with which is broken down during

Chapter 10: Photosynthesis This chapter is as challenging as the one you just finished on cellular respiration. However, conceptually it will be a little easier because the concepts learned in Chapter 9—namely, chemiosmosis and an electron transport system—will play a central role in photosynthesis. 1.

A) Respiration is the reversal of the biochemical pathways of photosynthesis. B) Photosynthesis stores energy in complex organic molecules, while respiration releases it. C) Photosynthesis occurs only in plants and respiration occurs only in animals.

Modeling Photosynthesis and Cellular Respiration Teacher Information Summary Students use simple snap beads to model the reactants and products of photosynthesis and cellular respiration. Optional review cards are provided to help students distinguish between photosynthesis and cellular respiration. Core Concepts Photosynthesis, which occurs in