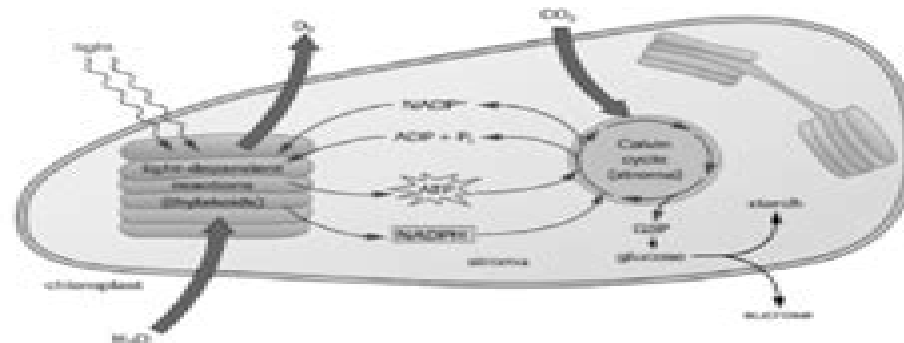


Name: Gracie Fletcher Date: 10/23/23

## Photosynthesis Packet

### Light-Dependent Reactions

#### Overview:



1. What occurs in the process of photosynthesis? Solar energy from the sun is converted into chemical energy in the form of glucose.
2. Write the overall equation for photosynthesis using words. Carbon Dioxide and Water in the presence of sunlight is converted into Glucose and Oxygen.
3. Write the overall equation for photosynthesis using chemical formulas.




4. What does photosynthesis require in addition to water and carbon dioxide? Sunlight
6. What is the principal pigment of plants? Chlorophyll
7. Circle the letter of the region(s) of the visible spectrum in which chlorophyll absorbs light very well.

- a. blue region
- b. green region
- c. red region
- d. yellow region

8. Chloroplasts contain saclike photosynthetic membranes called Thylakoids
9. What is a granum? Stack of Thylakoids
10. The region outside the thylakoid membranes in the chloroplasts is called the Stroma

# Photosynthesis Chapter Packet Answers

**David E. Sadava, H. Craig  
Heller, Gordon H. Orians, William K.  
Purves, David M. Hillis**



## **Photosynthesis Chapter Packet Answers:**

**The Handy Biology Answer Book** Patricia Barnes-Svarney, Thomas E. Svarney, 2014-07-21 Easy to use and friendly guide explains the inner workings of cells bacteria viruses fungi plants animals as well as evolution the environment DNA and chromosomes genetics and genetic engineering laboratory techniques and much much more Gene therapy Forensic DNA profiling Biochemistry Biotechnology Cloning Stem Cells Super Bugs Genetically modified food Botany Zoology Sex The study of life and living organisms is ancient broad and ongoing Biology combines the Greek word for life bios with the suffix ology or science study knowledge of The new completely revised and updated The Handy Biology Answer Book examines explains and traces mankind's understanding of this important topic From the newsworthy to the practical and from the medical to the historical this entertaining and informative book brings the complexity of life into focus through the well researched answers to more than 1 250 common biology questions such as What is life Why do you need protein in your diet Do animals suffer from allergies just like humans What is the Human Genome Project Why do birds fly in formation Can the environment affect genes Do bacteria get addicted to caffeine What was the historical significance of hemp How are seedless grapes grown What is social Darwinism Can animals suffer from psychological disorders The Handy Biology Answer Book has clear concise answers to questions on everything from genetics to the anatomy of cells to the emotional life of elephants and from the environment and ecology to human biology and evolution It's a must have for any student of life With many photos illustrations and other graphics this tome is richly illustrated Its helpful bibliography and extensive index add to its usefulness

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