

Photosynthesis

Photosynthesis is the total action of organic compounds from inorganic molecules using light energy trapped by chlorophyll.

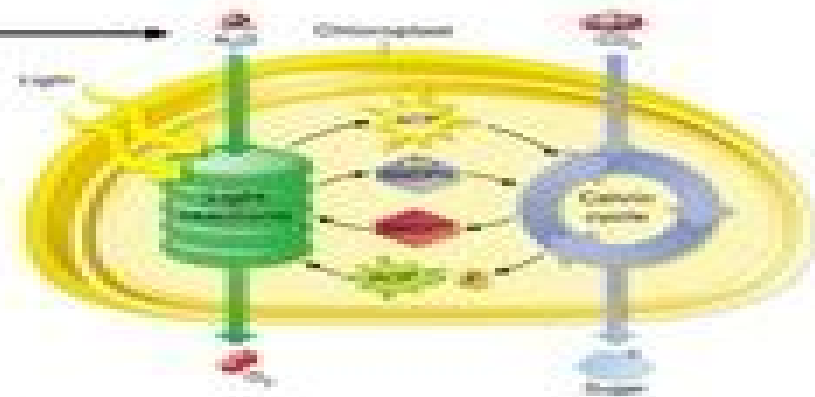
Location of Chlorophyll: photosynthetic plant cells

- Chlorophyll is present in the chloroplasts.
- Chlorophyll occurs in the internal green membranes of the chloroplast.

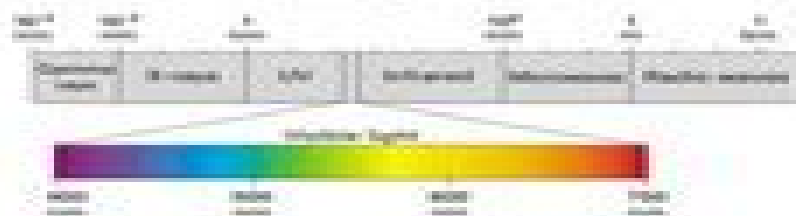


If the "road map" showed the two main stages of photosynthesis, the light reactions, which occur in the thylakoids, and the Calvin cycle, which occurs in the stroma.

If the natural source of light for photosynthesis is the sun. Artificial light can also be used if it contains red and/or blue wavelengths of visible light.



The Electromagnetic Spectrum



Of the visible light striking the chloroplast, the green light is reflected and transmitted more than other colors, which are absorbed. As a result, a leaf containing chloroplasts appears green in color.



Biology Photosynthesis And Repiration Study Guide

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Biology Photosynthesis And Repiration Study Guide:

Life: The Science of Biology Study Guide William K. Purves, Edward Dzialowski, Lindsay Goodloe, Betty McGuire, Nancy Guild, Paula Mabee, 2003-12-26 New edition of a text presenting underlying concepts and showing their relevance to medical agricultural and environmental issues Seven chapters discuss the cell information and heredity evolutionary process the evolution of diversity the biology of flowering plants and of animals and ecology and biogeography Topics are linked by themes such as evolution the experimental foundations of knowledge the flow of energy in the living world the application and influence of molecular techniques and human health considerations Includes a CD ROM which covers some of the subject matter and introduces and illustrates 1 700 plus key terms and concepts Annotation copyrighted by Book News Inc Portland OR

Life Study Guide David E. Sadava, Gordon H. Orians, Craig Heller, William K. Purves, 2006-12-22 Especially helpful for AP Biology students each chapter of the study guide offers a variety of study and review tools The contents of each chapter are broken down into both a detailed review of the Important Concepts covered and a boiled down Big Picture snapshot The guide also covers study strategies common problem areas and provides a set of study questions both multiple choice and short answer

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