

Photosynthesis

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

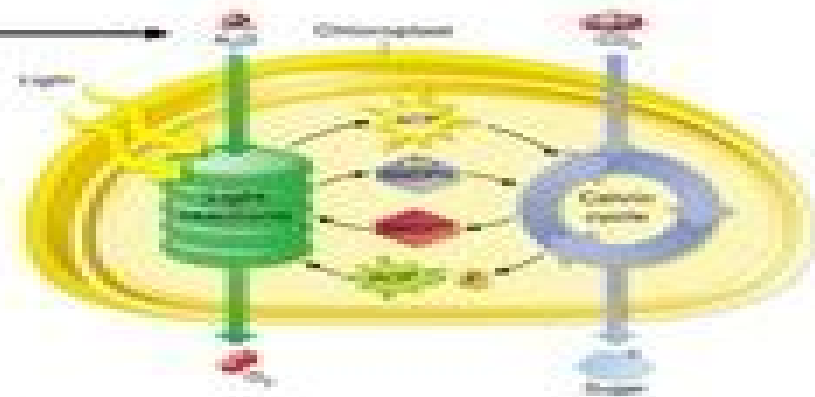
Location of Chlorophyll: photosynthetic plant cells

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

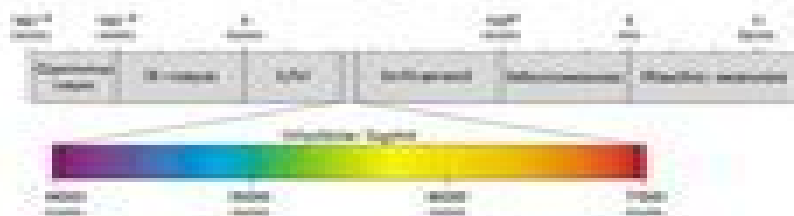


If the "road map" showed the two main stages of photosynthesis, the light reactions, which occur in the thylakoids, and the Calvin cycle, which occurs in the stroma.

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

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



Biology Photosynthesis And Repiration Study Guide:

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