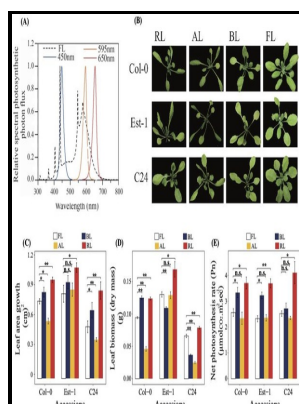


# Physiological aspects of photosynthesis

Stanford University Press - "Rate Limiting" Resistances and Photosynthesis



Description: -

Photosynthesis.physiological aspects of photosynthesis

-physiological aspects of photosynthesis

Notes: Bibliography: p. 270-291.

This edition was published in 1969



Filesize: 22.79 MB

Tags: #Quantum #mechanics #explains #efficiency #of #photosynthesis

## Plant physiology

Less leaf surface area results in reduced water loss through the epidermis. The main contours of our proposal are summarized in Fig.

## Photosynthesis ✨ □ (Definition, Process, Stages & Significance)

It is also possible that the photoferotrophs characterized so far are different lineages than those supposedly involved in BIF deposition, even though the underlying chemical process light-dependent  $\text{Fe}^{2+}$  oxidation is the same.

## Physical Aspects of Plant Photosynthesis

With the replacement of  $\text{H}_2\text{S}$  with  $\text{H}_2\text{O}$  as the main reductant for primary production, S would no longer have been limiting for primary production, which should have influenced isotope fractionation effects for S species around the time of the GOE. Rather, it appears to result from the acquisition of a couple of high-potential cytochromes and HiPIPs by horizontal gene transfer, which were incorporated into the metabolism of bacteria that were already able to grow photoautotrophically. There is broad consensus that  $\text{H}_2$ -based chemosynthesis predated chlorophototrophy in microbial evolution and that anoxygenic photosynthesis predated the oxygenic form.

## Physical Problems of Photosynthesis on JSTOR

B,C , indicating that the activities of SOD, POD and CAT in S. Get a Britannica Premium subscription and gain access to exclusive content. The exhalation of  $\text{H}_2$  at hydrothermal vents stems from a spontaneous exergonic geochemical reaction called serpentinization Sleep et al.

## Physiological aspects of mangrove (*Laguncularia racemosa*) grown in microcosms with oil

Besides green plants, other organisms that perform photosynthesis contain various other forms of chlorophyll such as chlorophyll- c1, chlorophyll- c2, chlorophyll- d and chlorophyll- f. Hence, it is not evident how the tree of Soo et al.

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