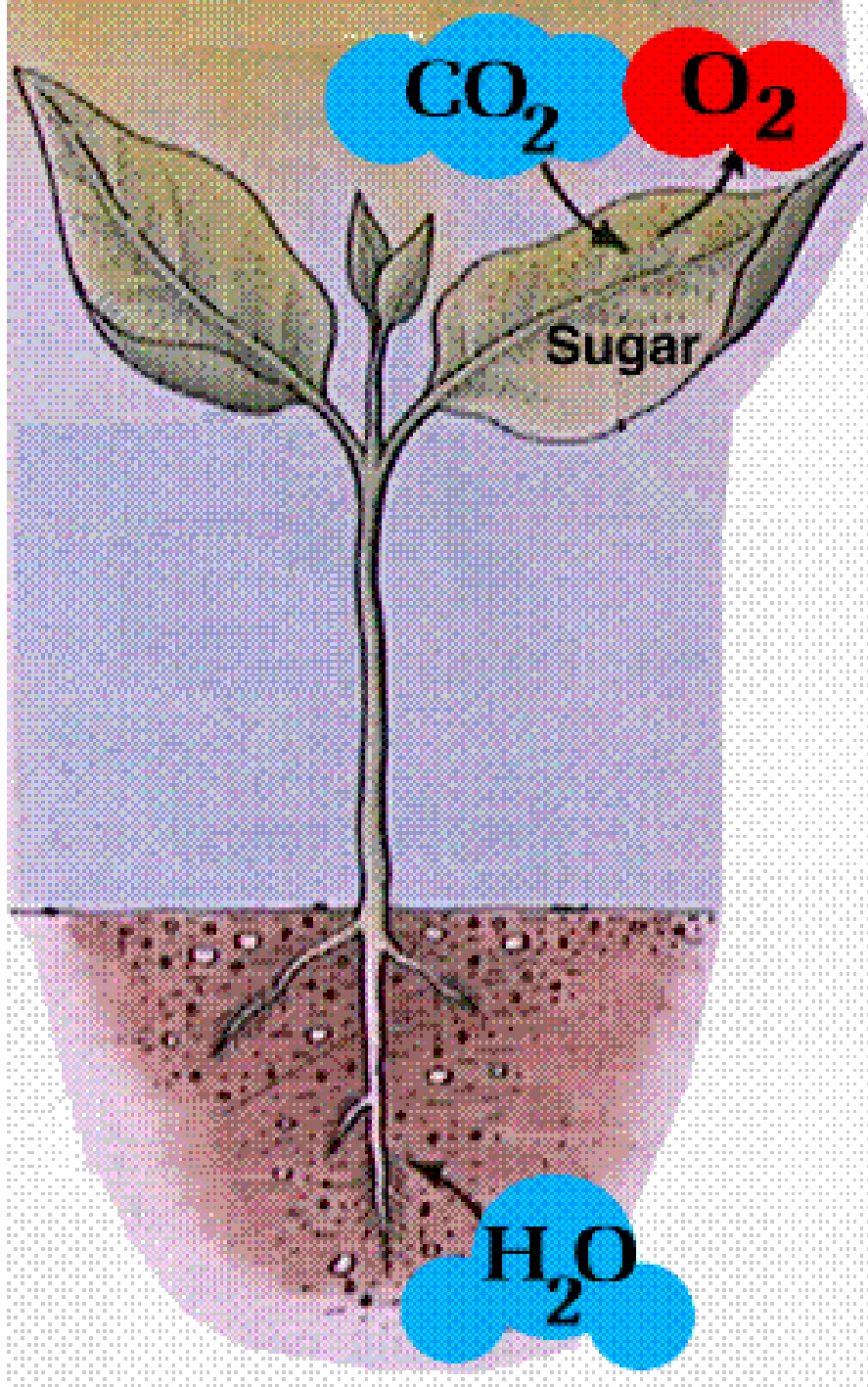


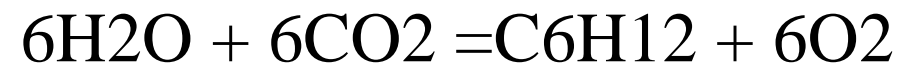
Einige der bahnbrechenden Versuche Priestleys

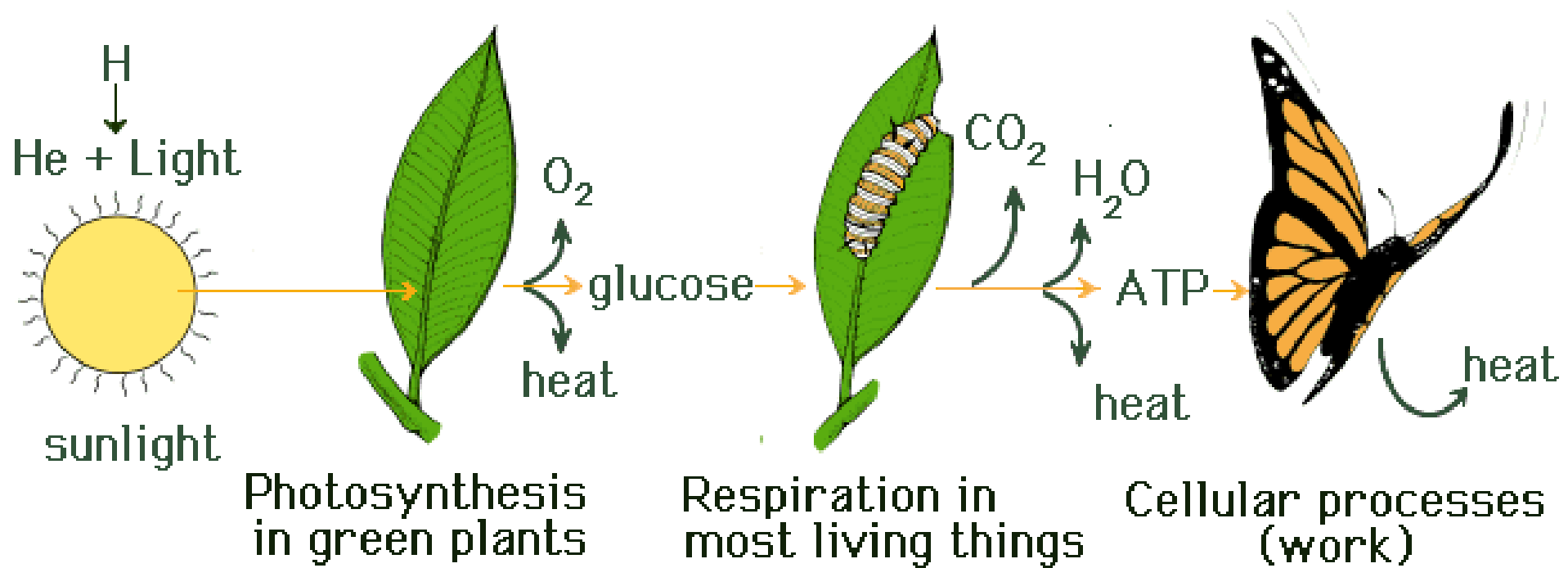


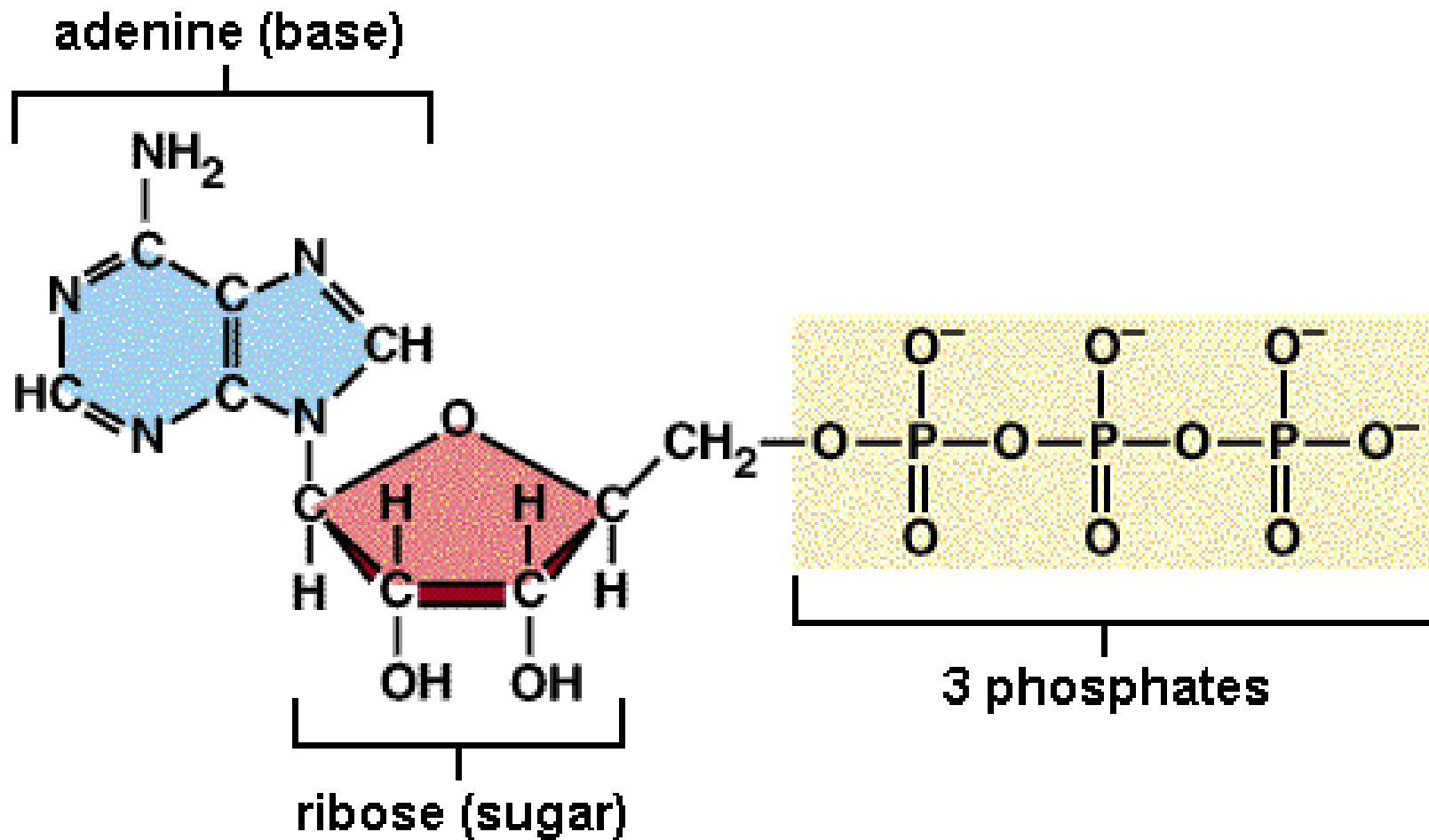


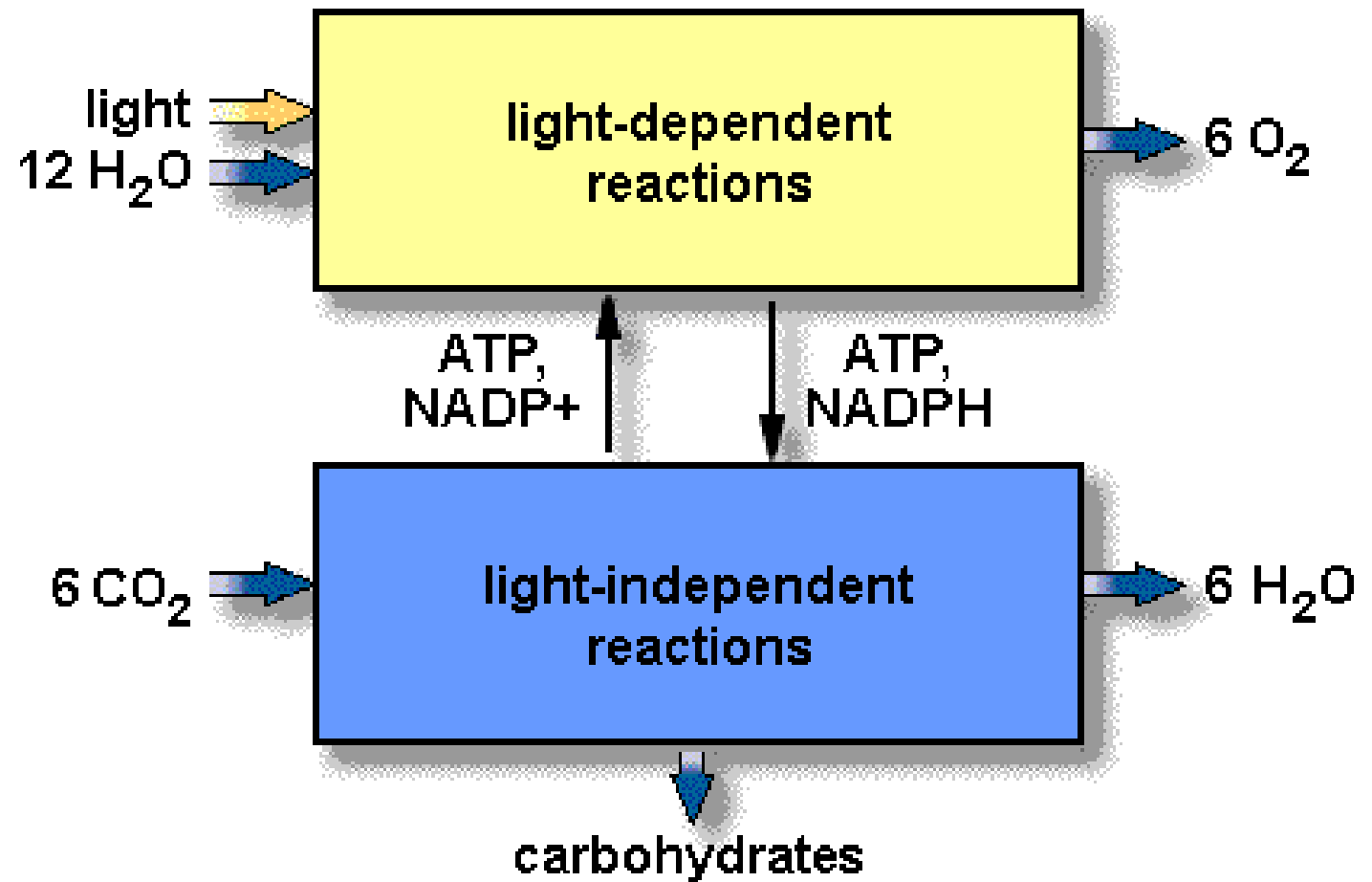
Photosynthese

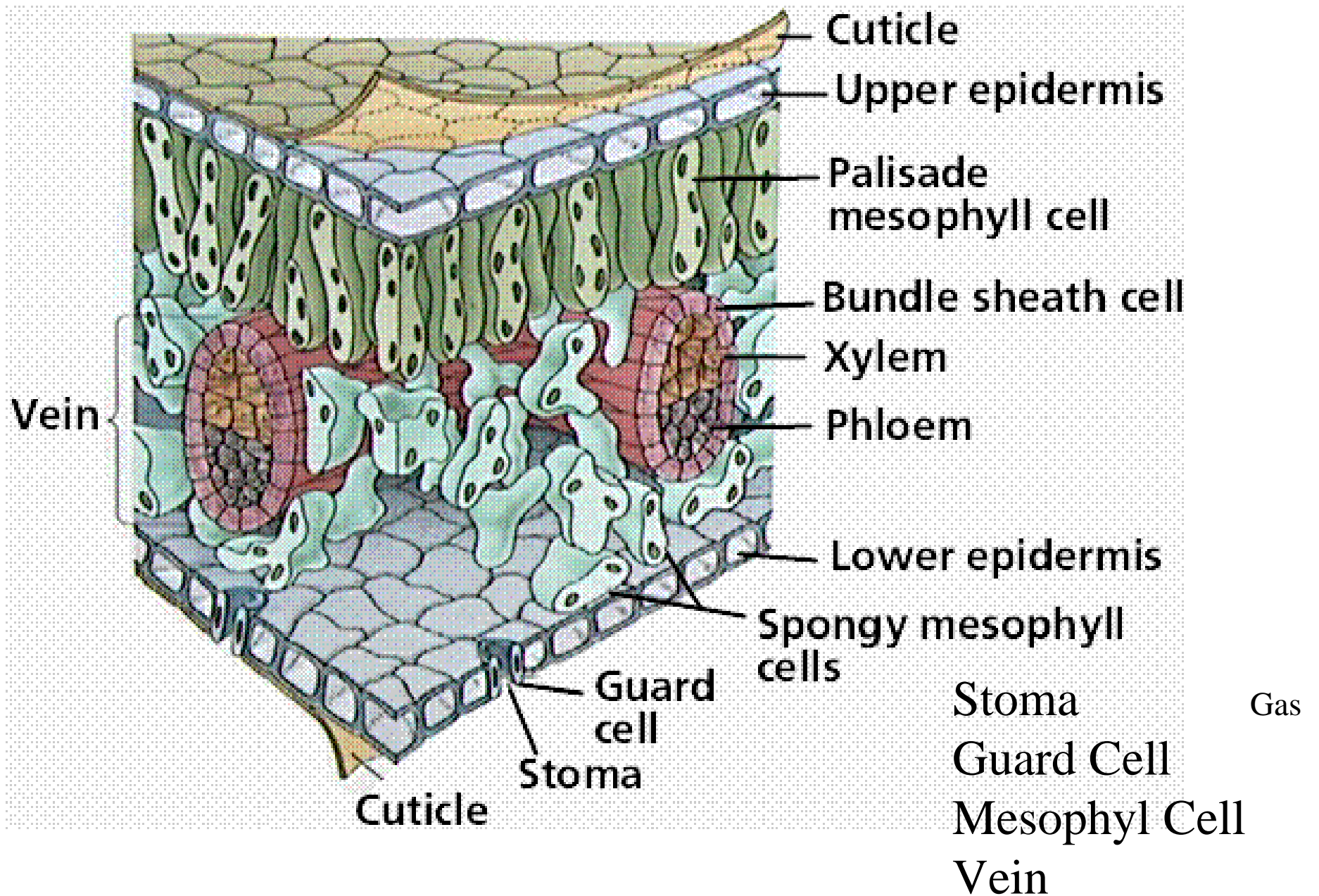
- Pflanzen
- Bakterien



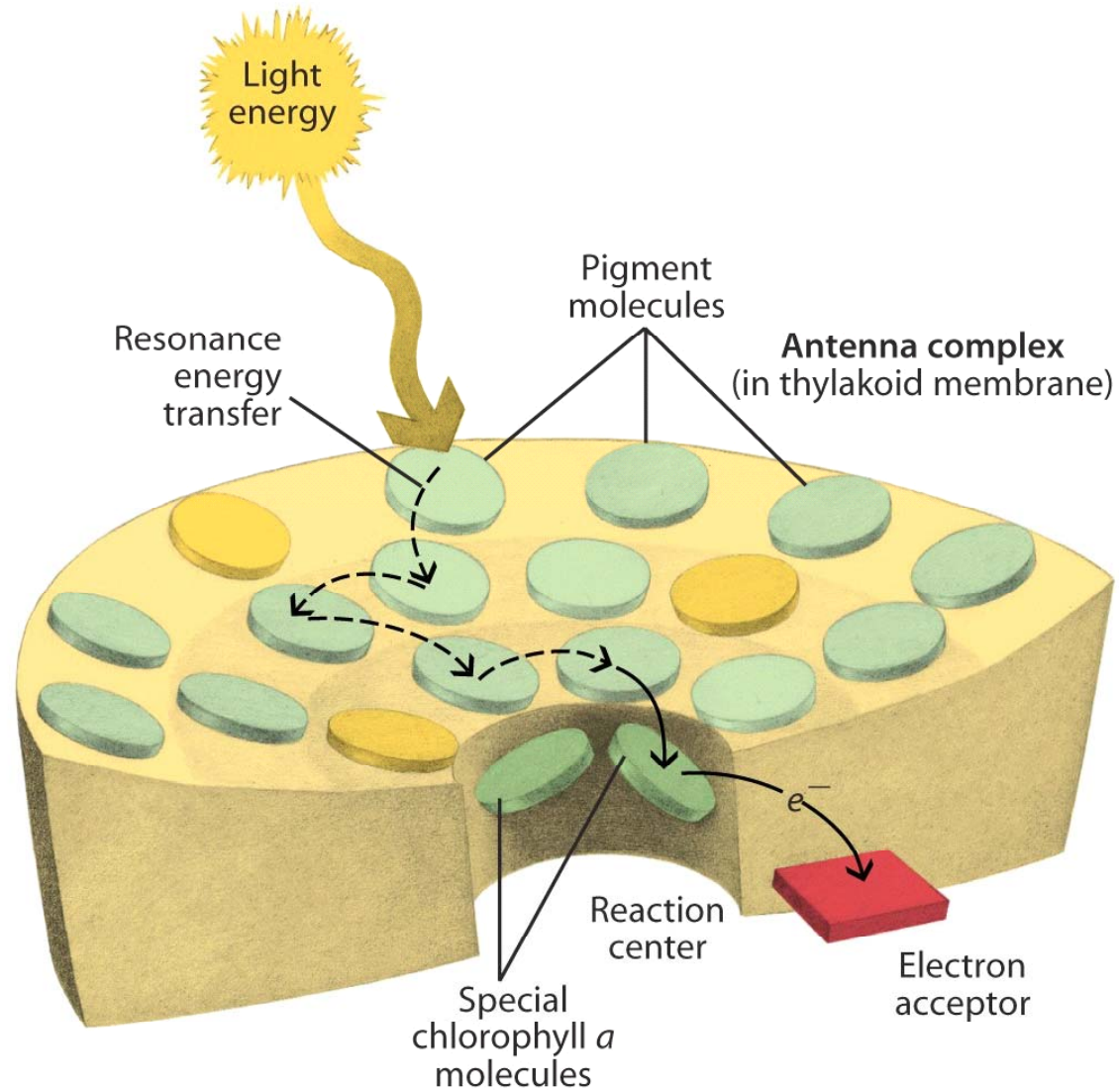


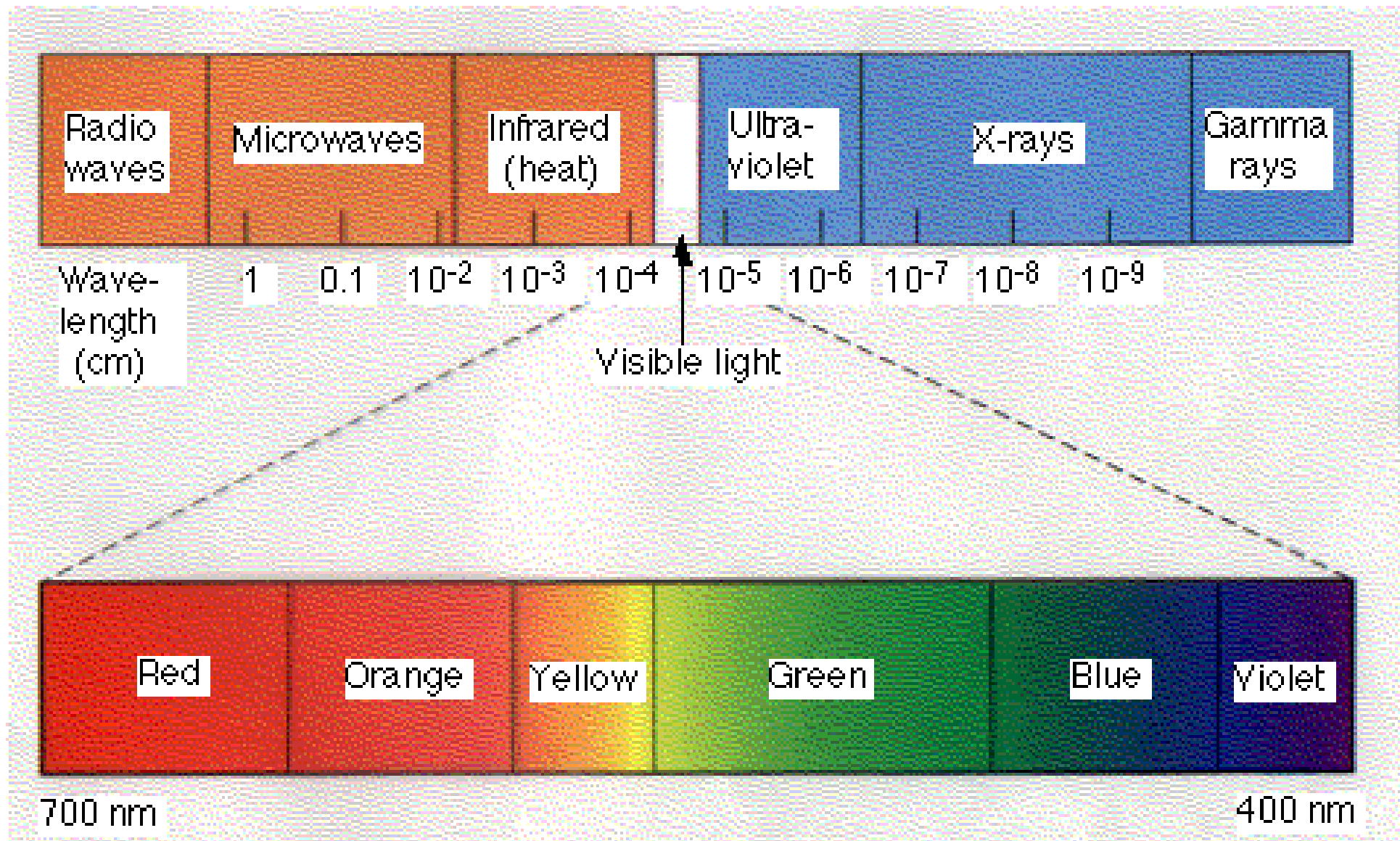


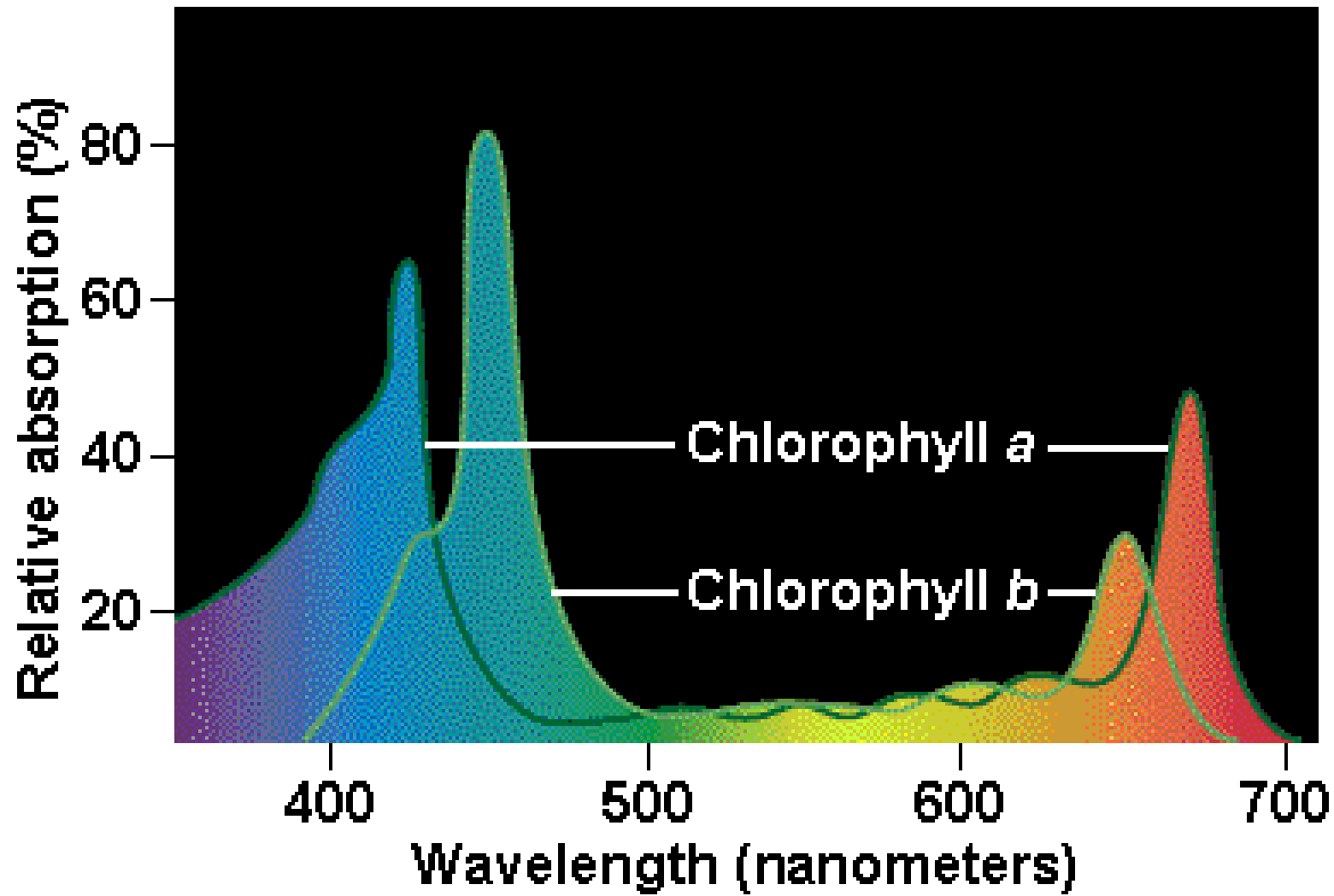




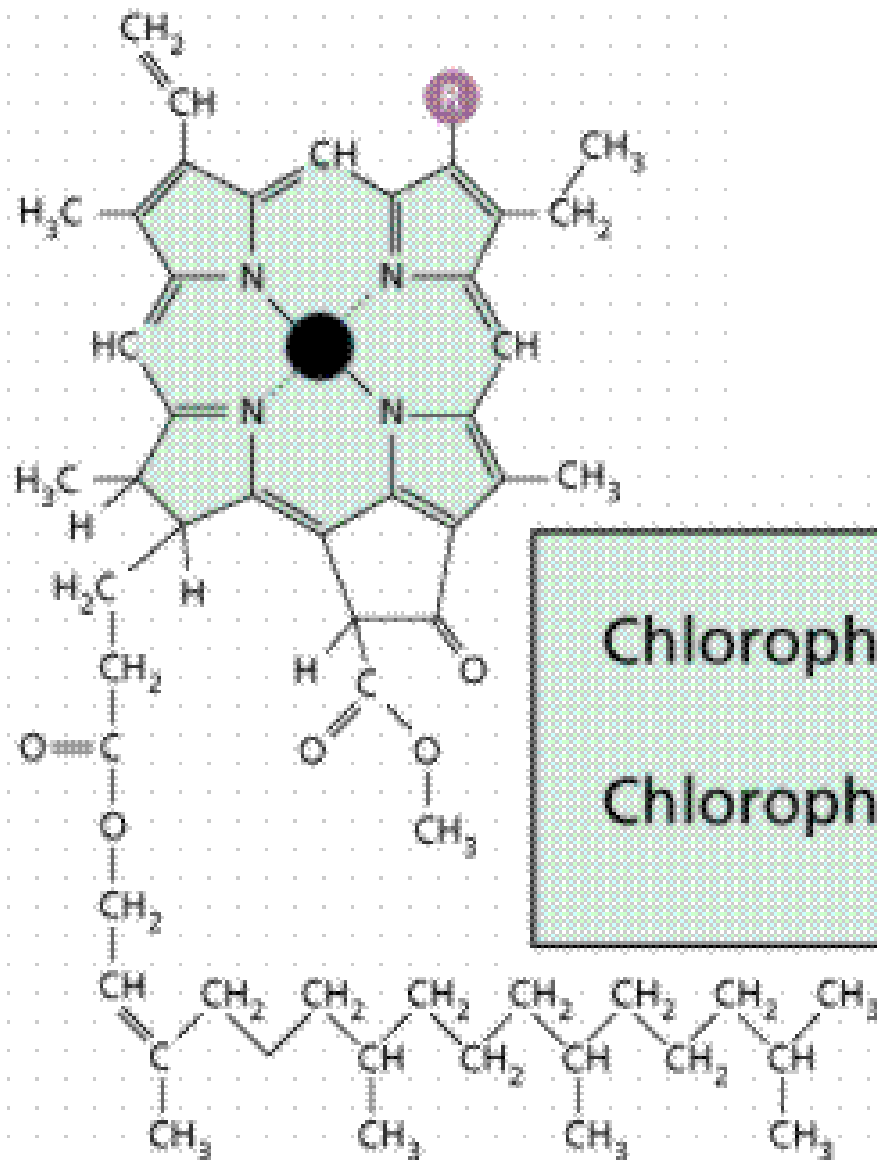
BASIC PRIMARY PHC





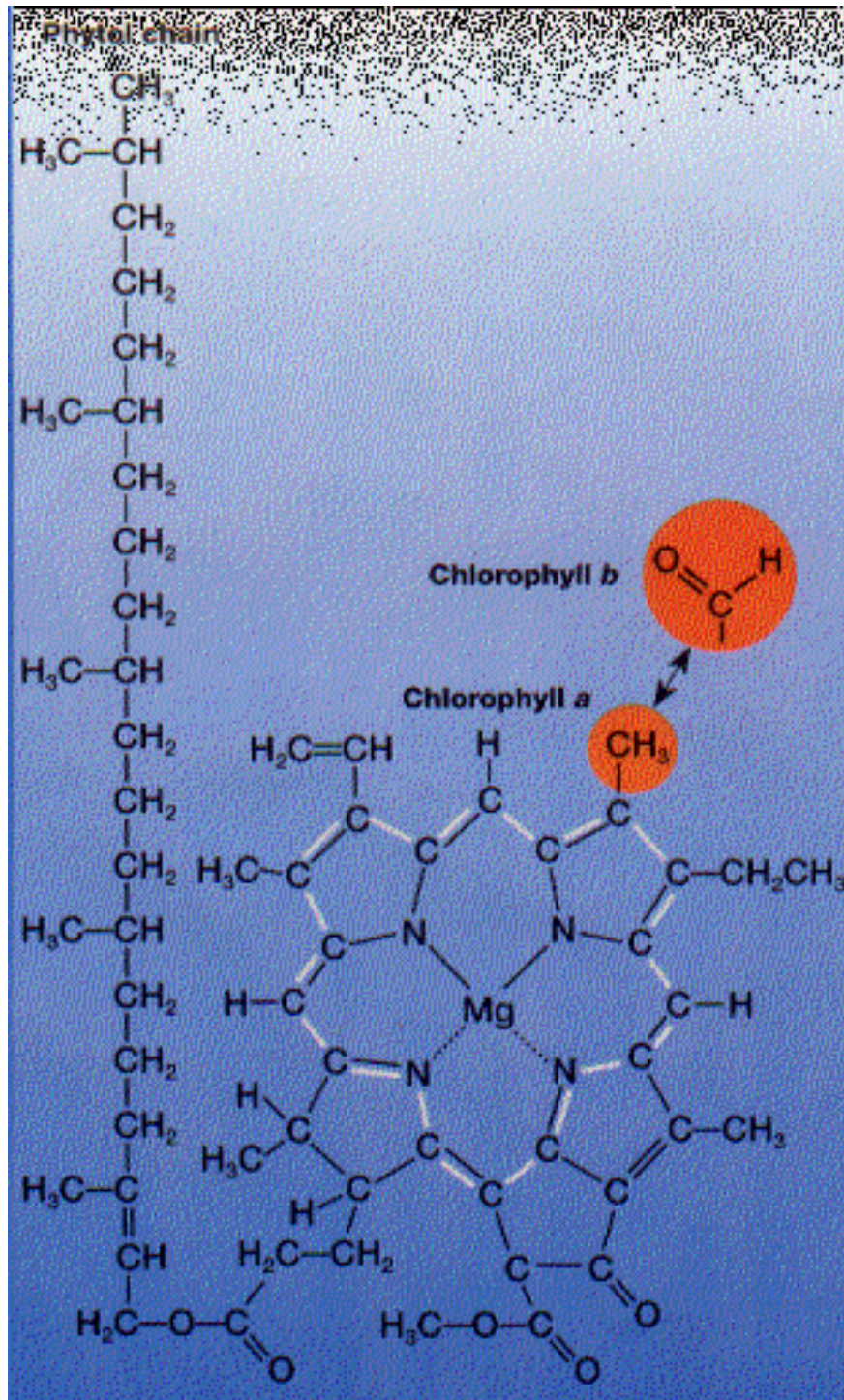


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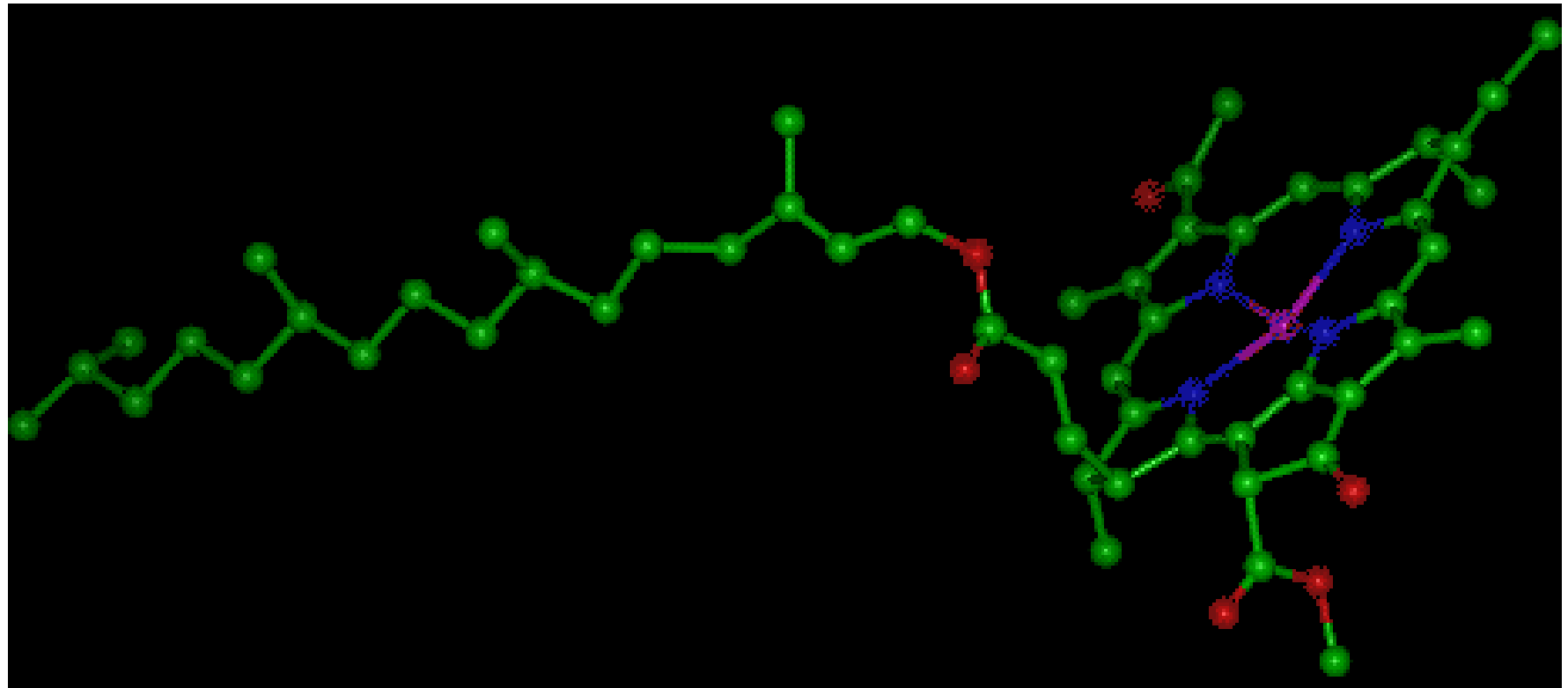
Chlorophyll *a*: $R = -CH_3$

Chlorophyll *b*: $R = -C \begin{array}{l} \diagup H \\ \diagdown O \end{array}$

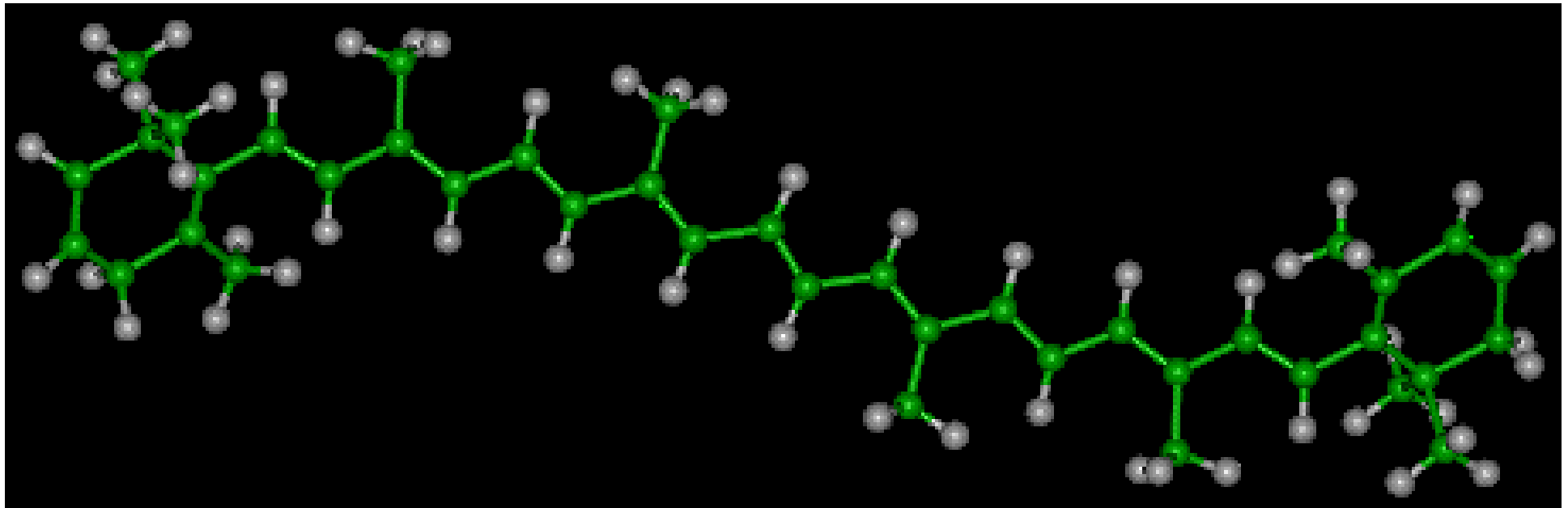
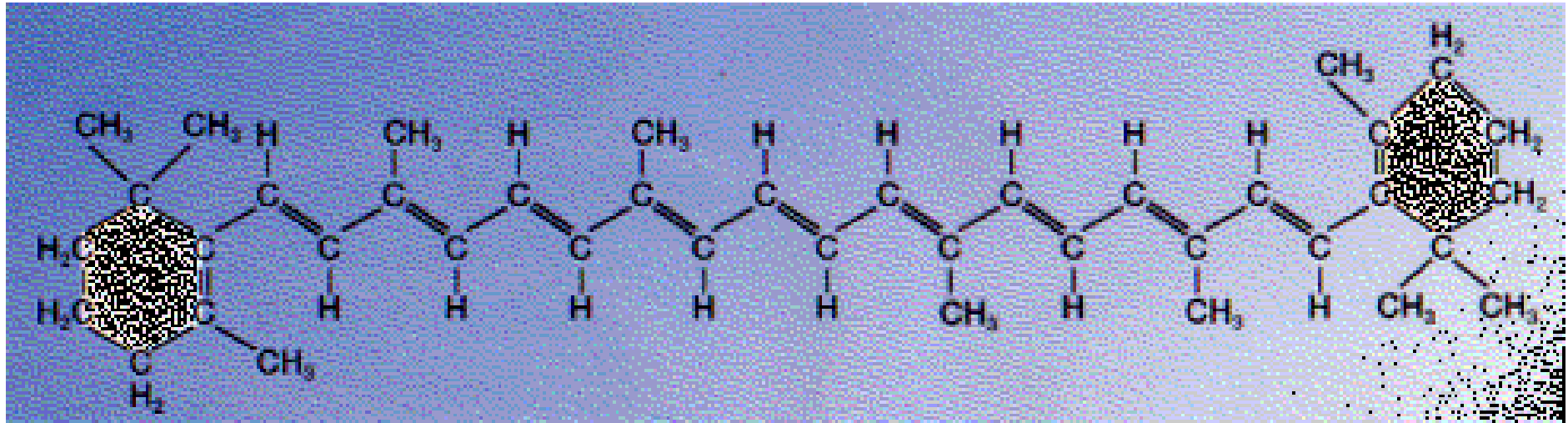


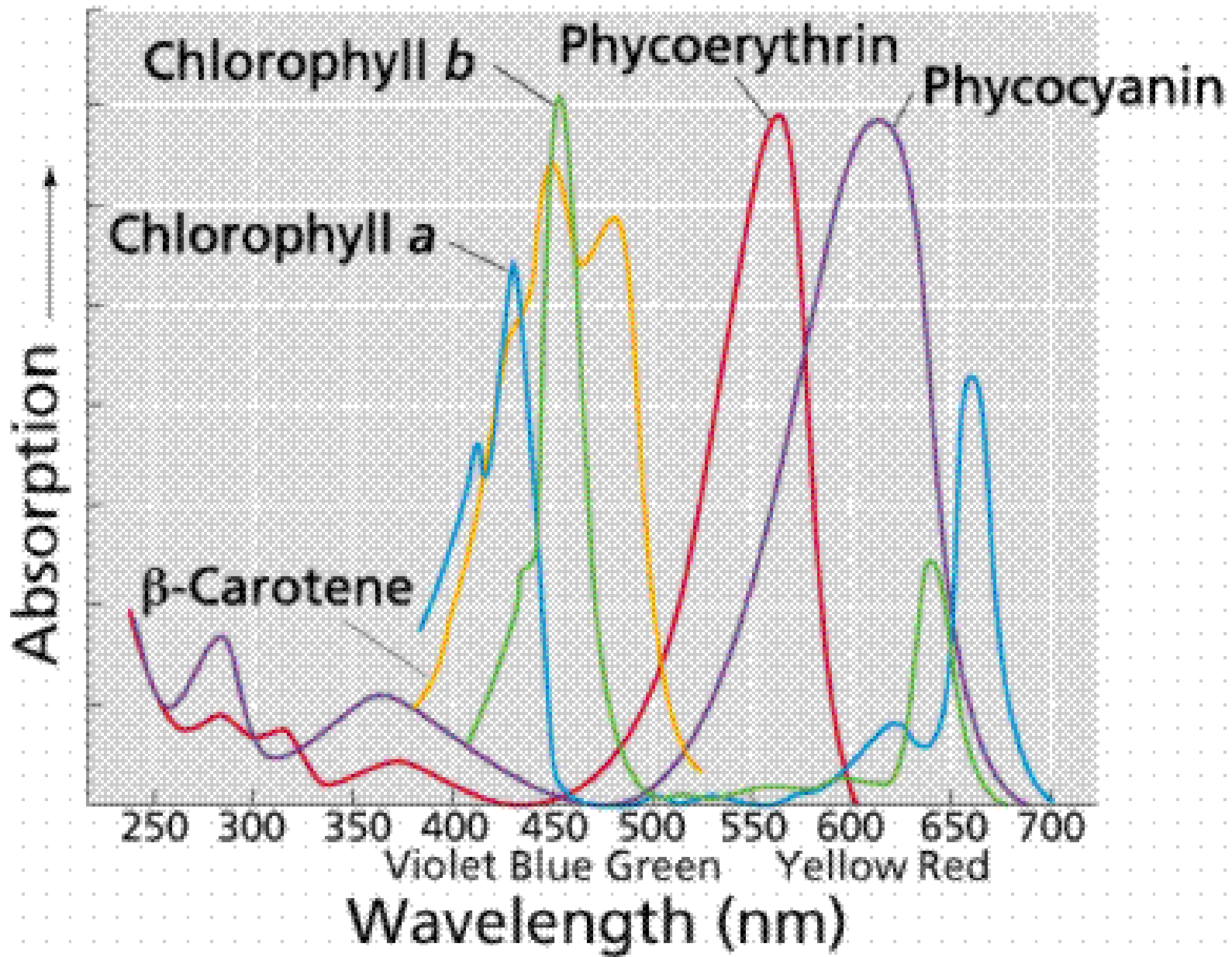
Chlorophyll a
Chlorophyll b

Chlorophyll

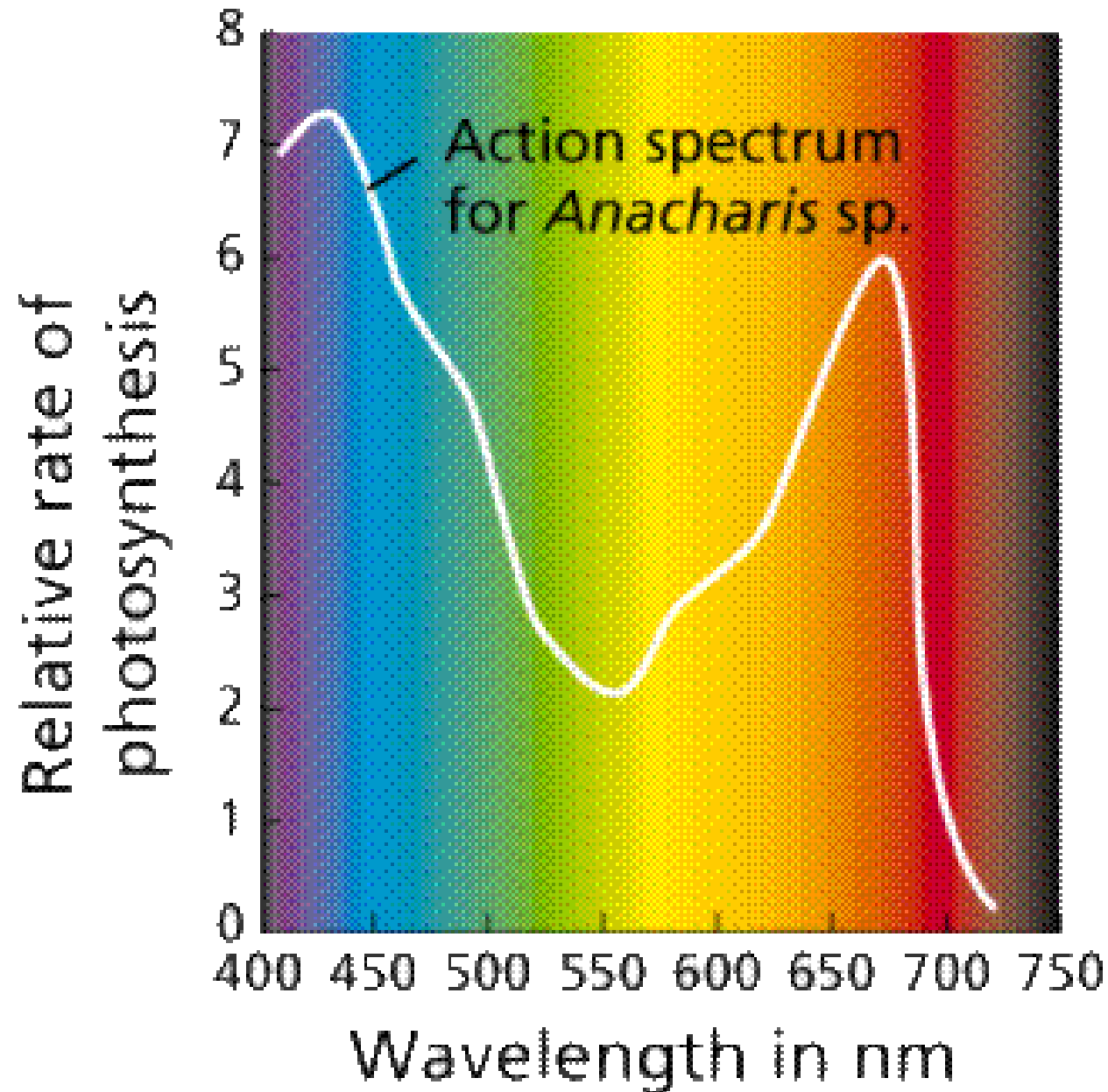


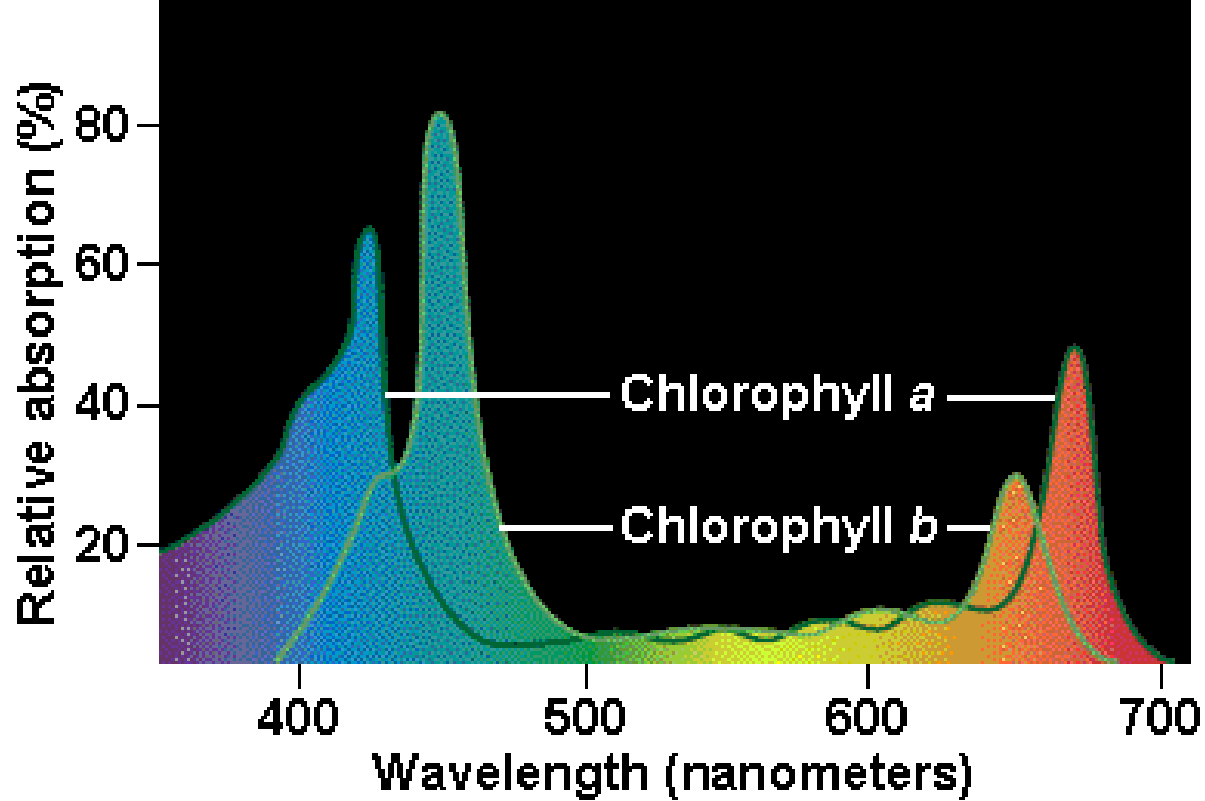
Caratenoid



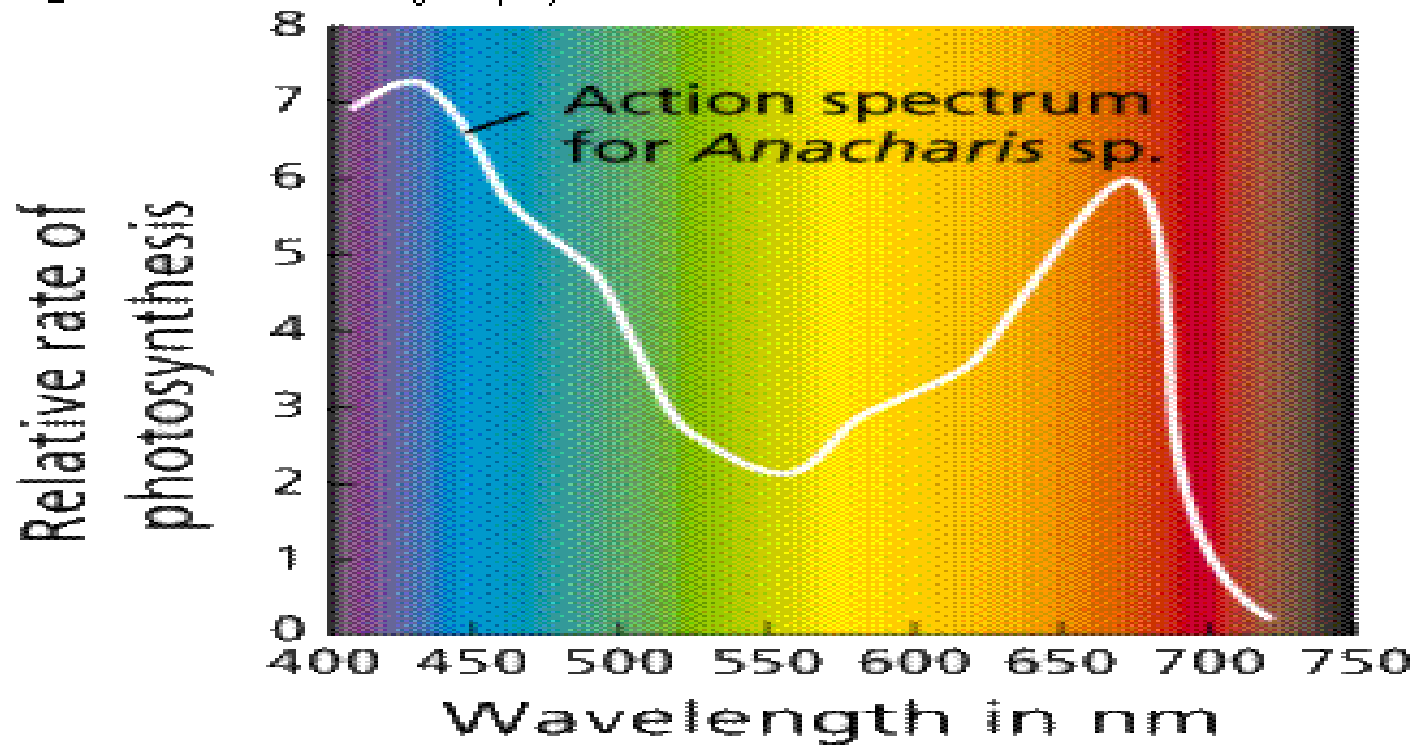


Aktionsspektrum der Photosynthese





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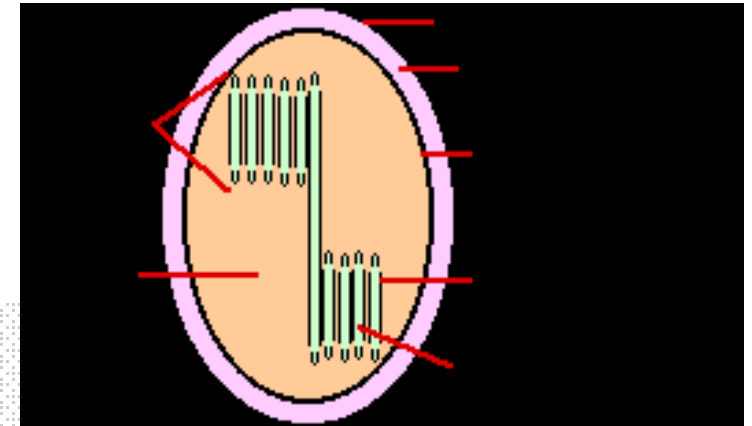
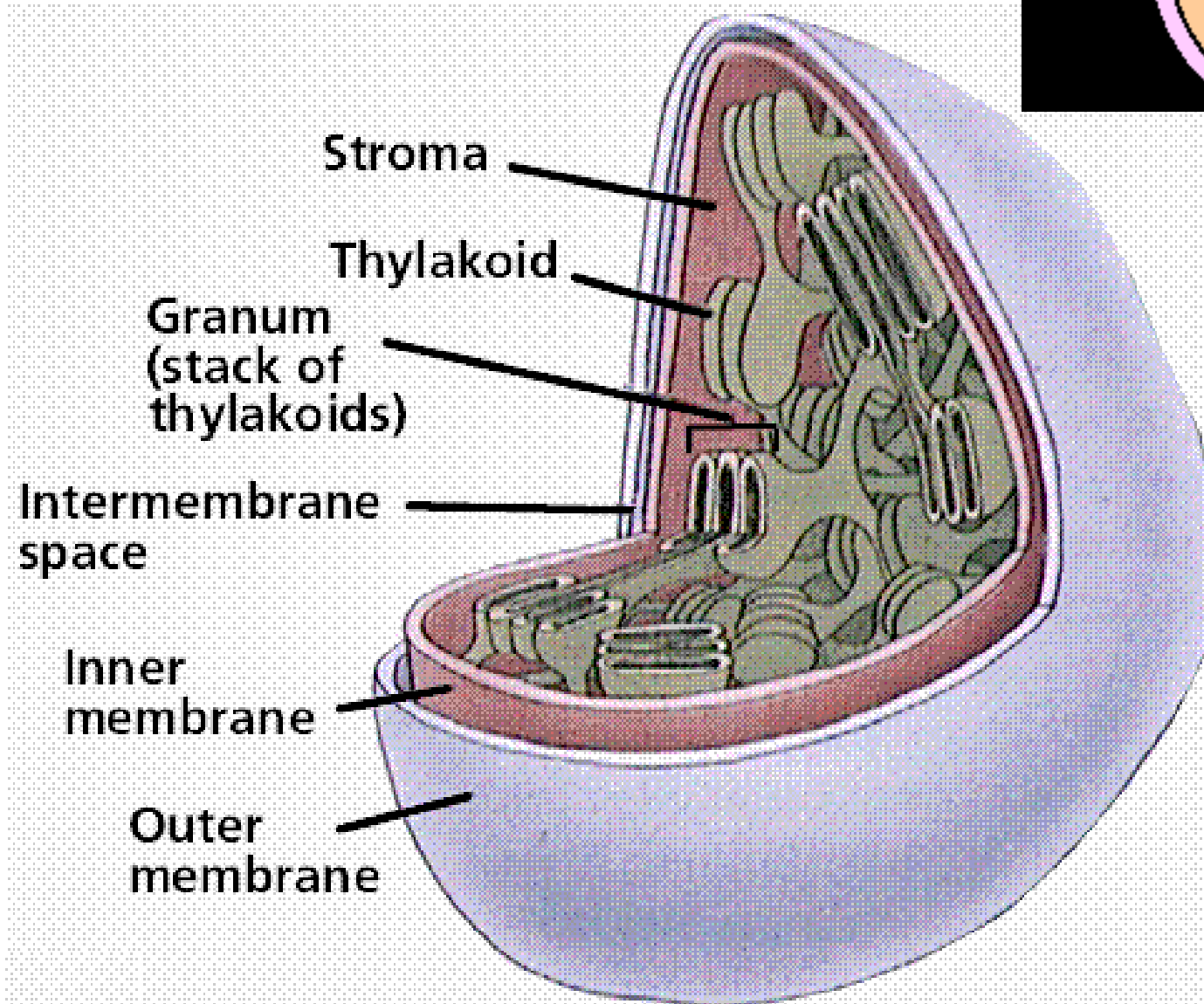
Zelle einer Alge

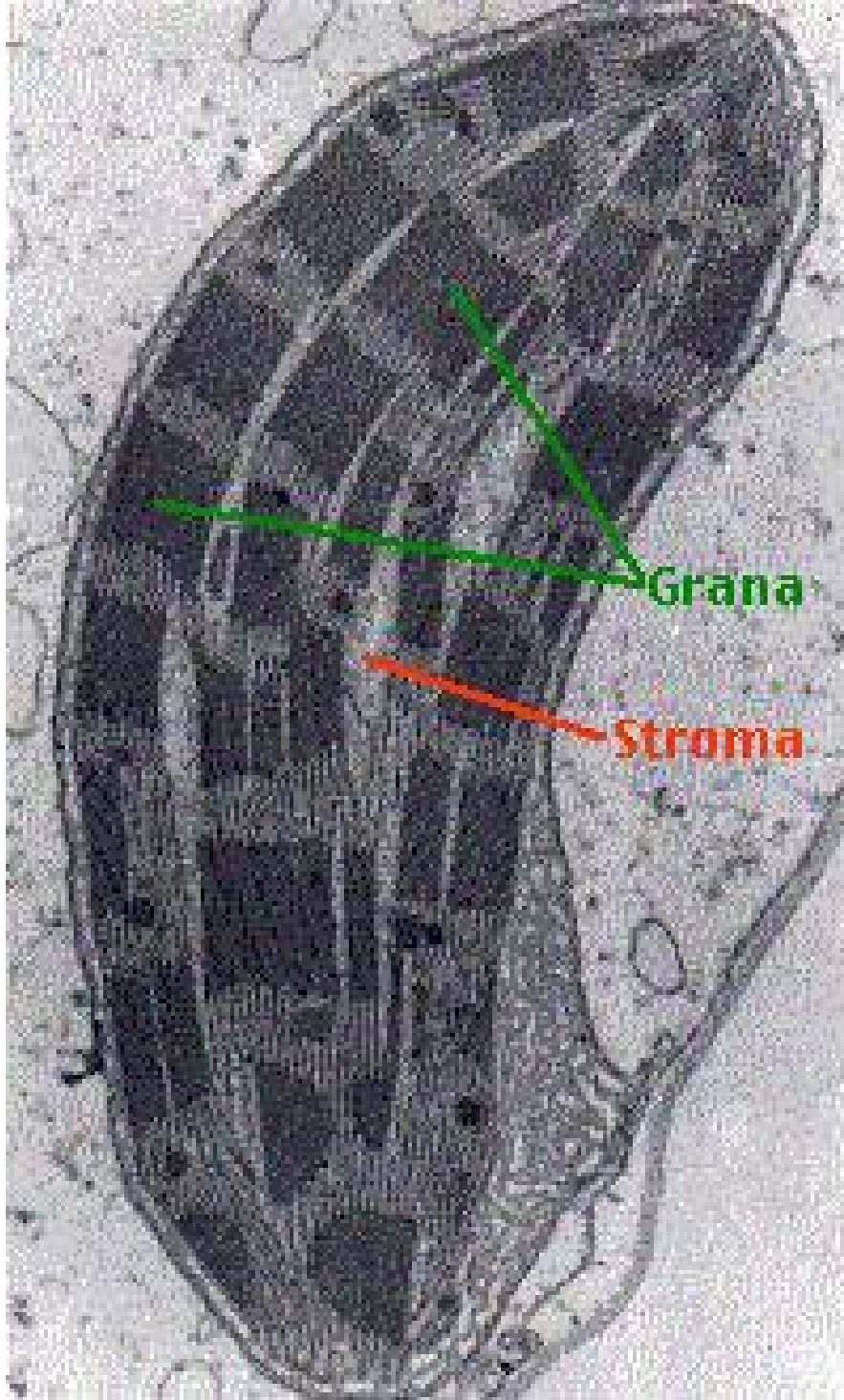
Chloroplast



Chloroplast

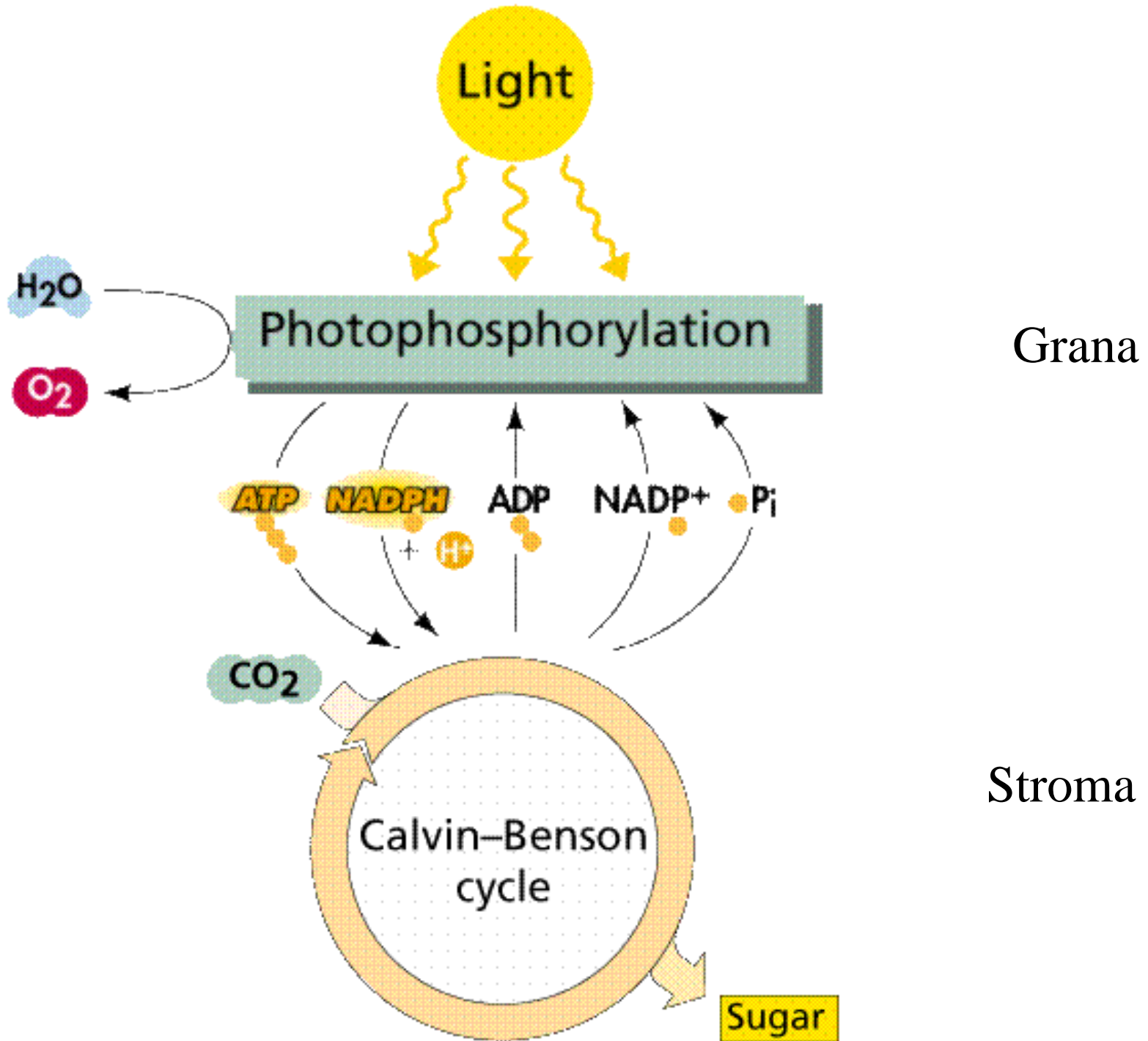
Thalakoid = Funktionseinheit der Photosynthese

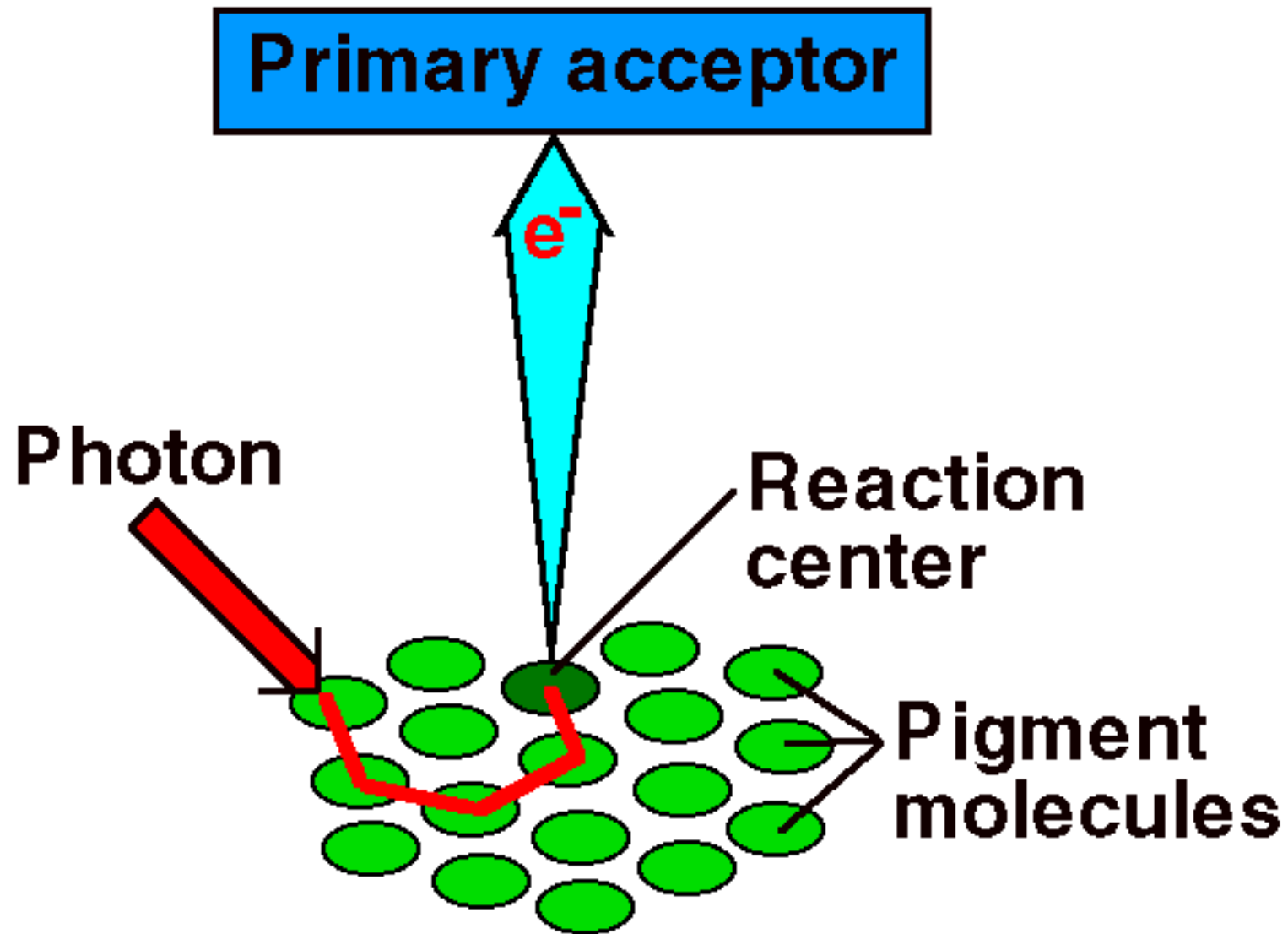




Chloroplast

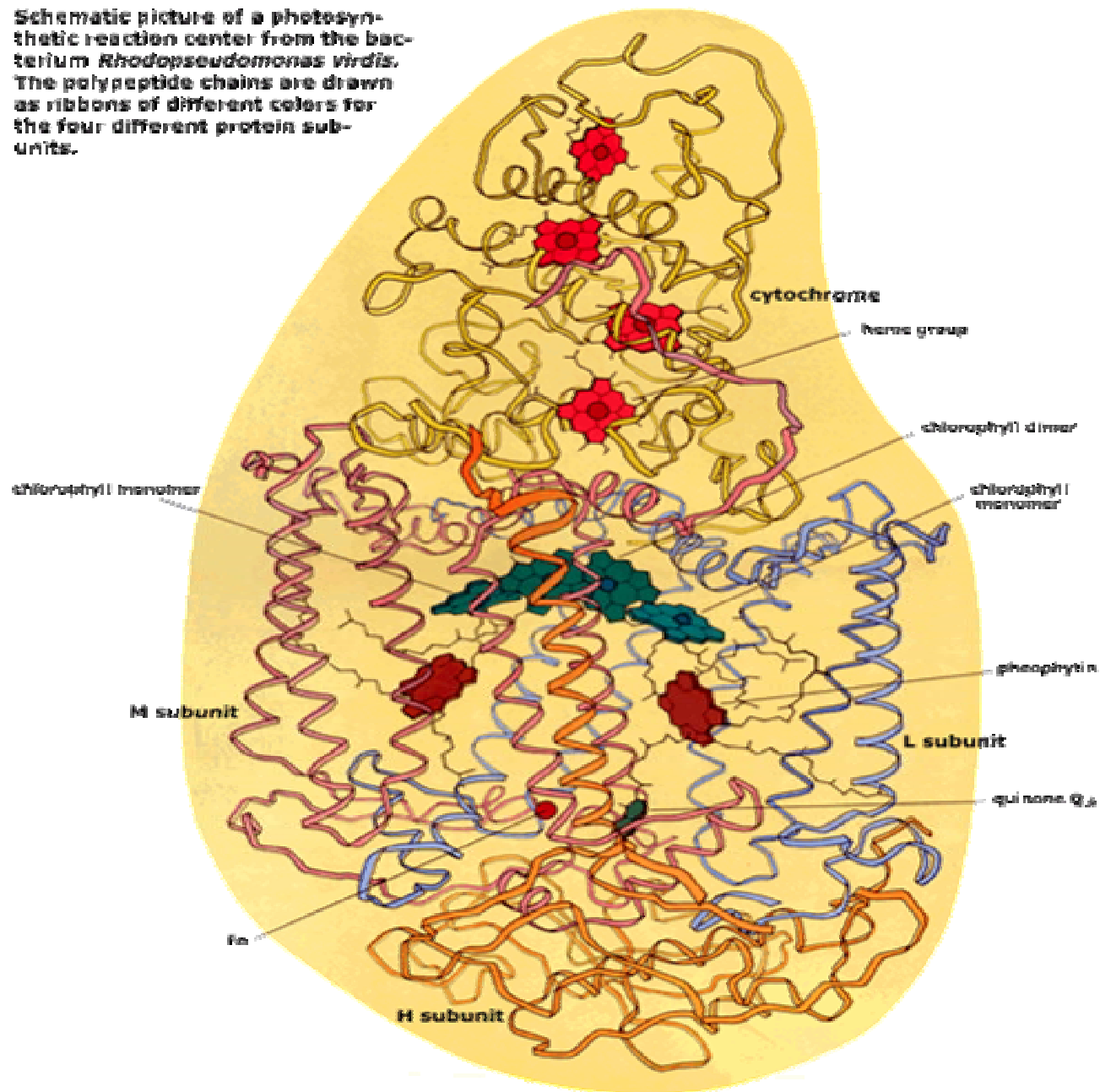
Gestapelte Thylakoids = Grana



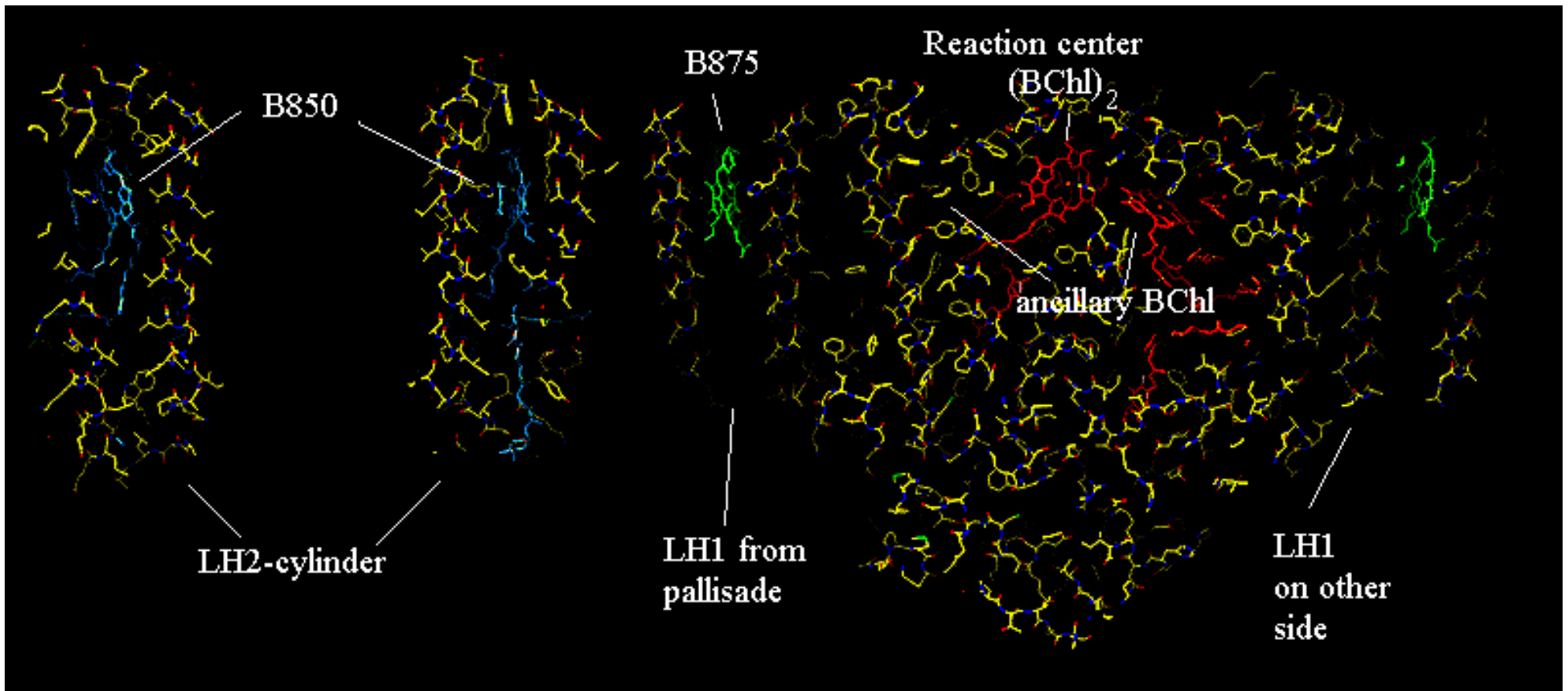


BACTERIAL REACTION CENTER

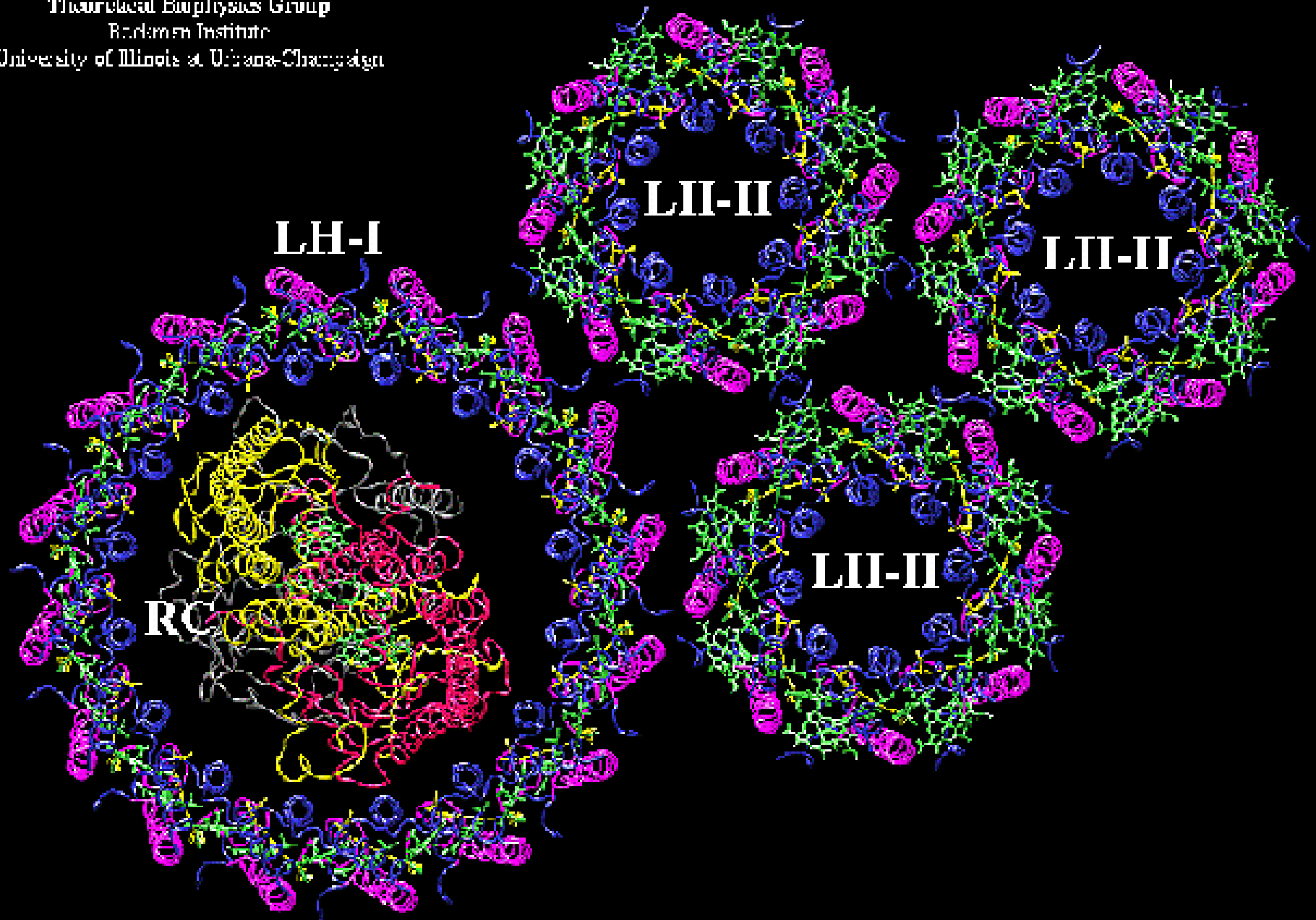
Schematic picture of a photosynthetic reaction center from the bacterium *Rhodospseudomonas viridis*. The polypeptide chains are drawn as ribbons of different colors for the four different protein subunits.

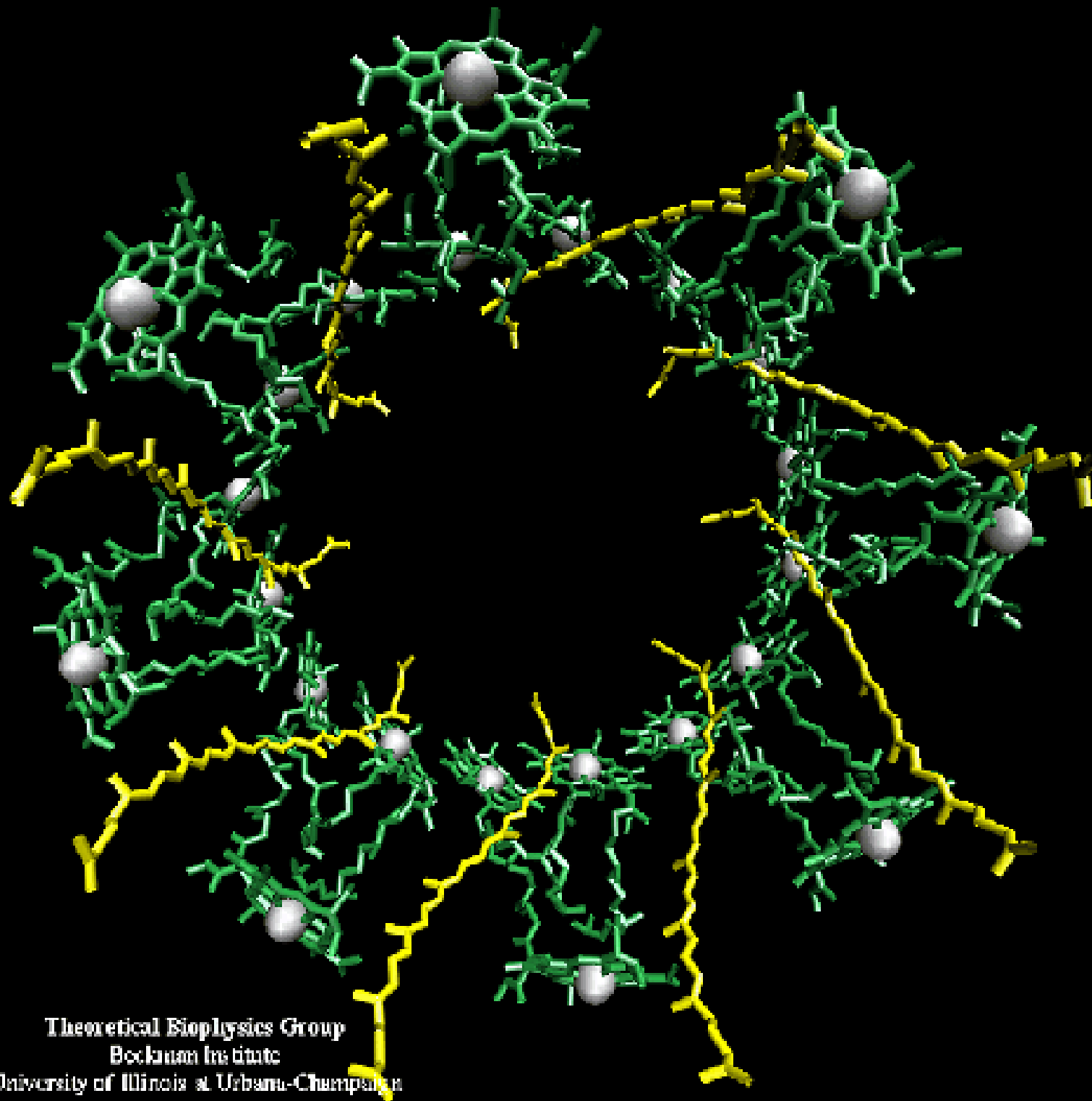


Struktur der Light-Harvestingkomplexe und des Primären Reaktionszentrums



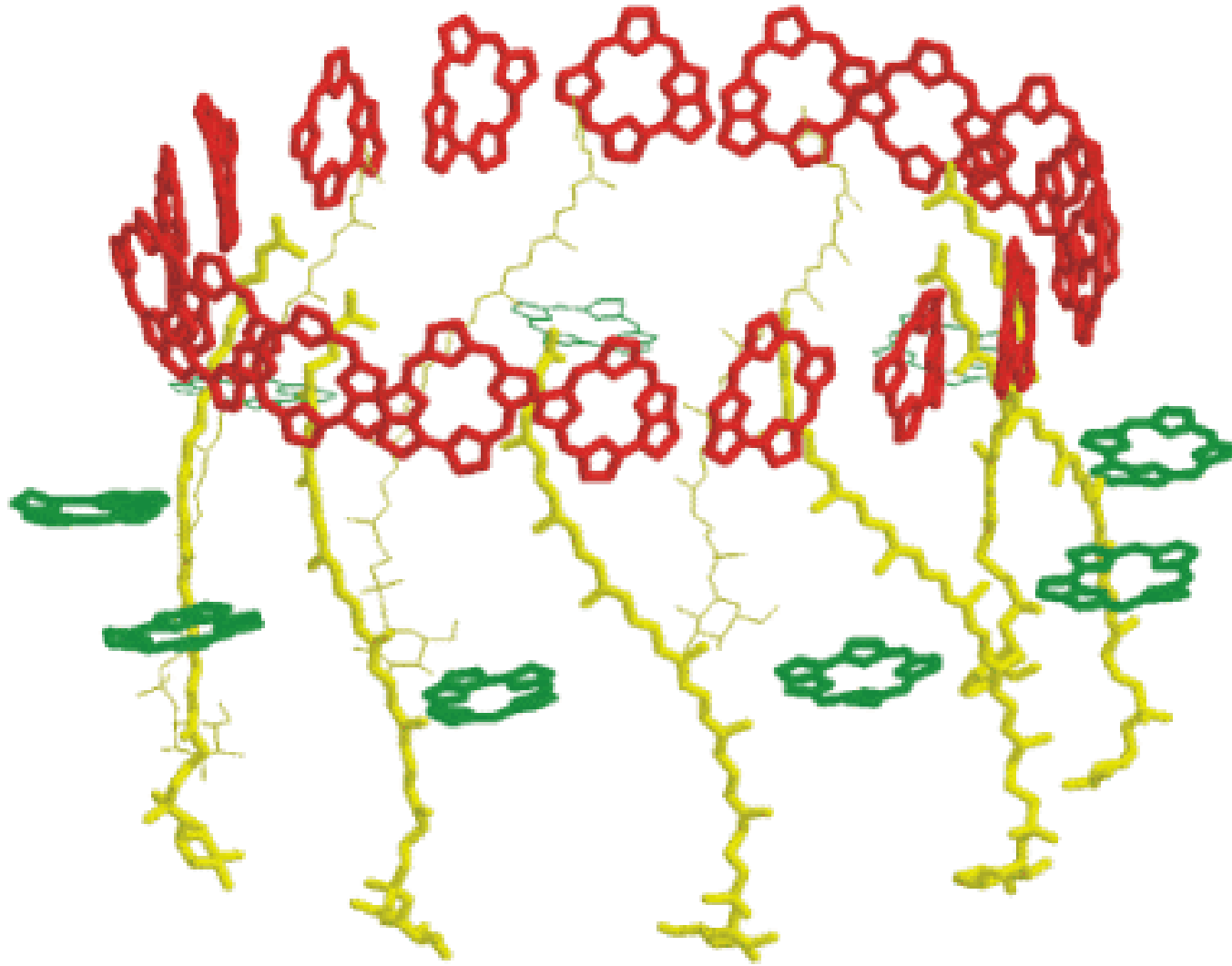
Theoretical Biophysics Group
Rohlfing Institute
University of Illinois at Urbana-Champaign

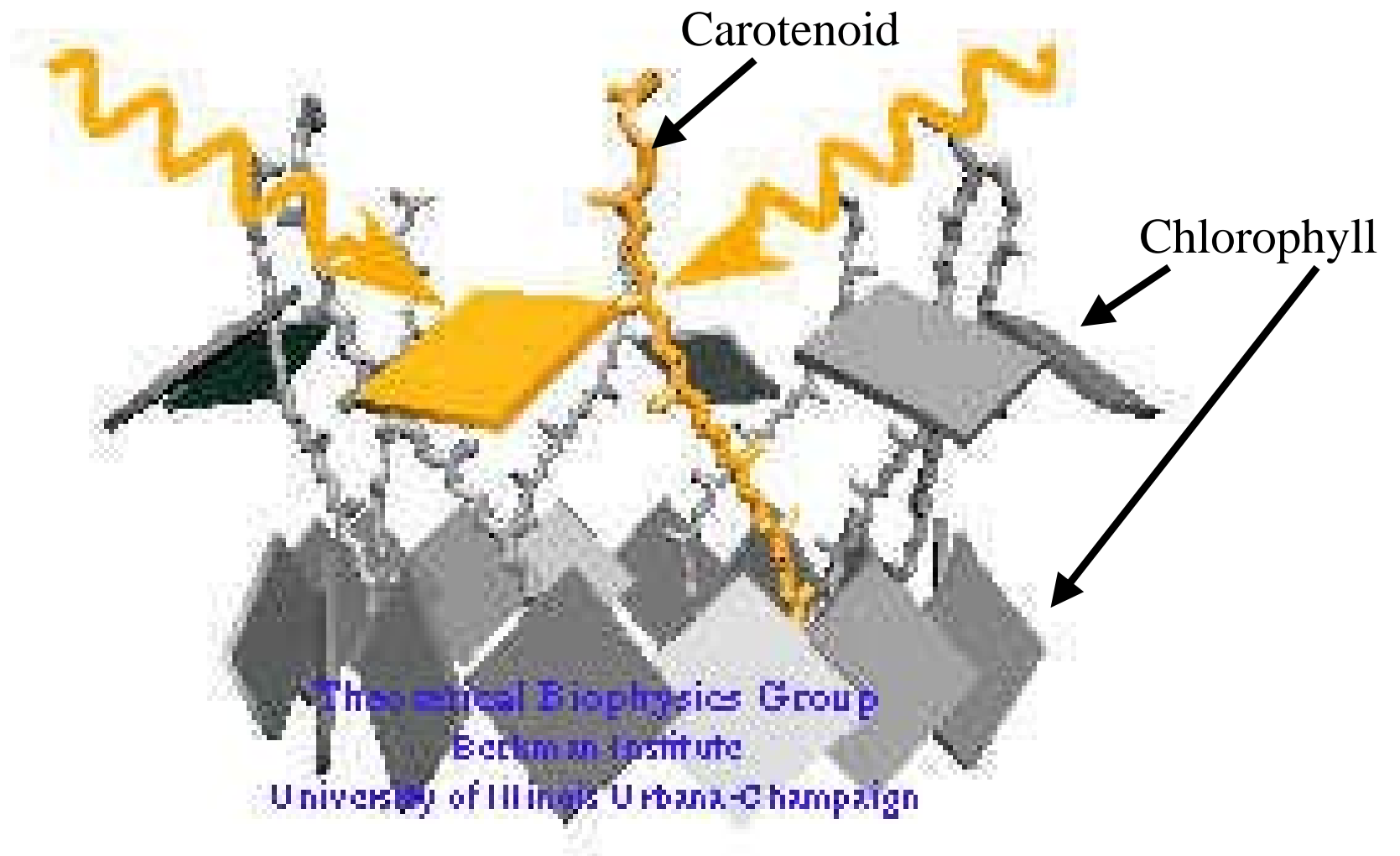


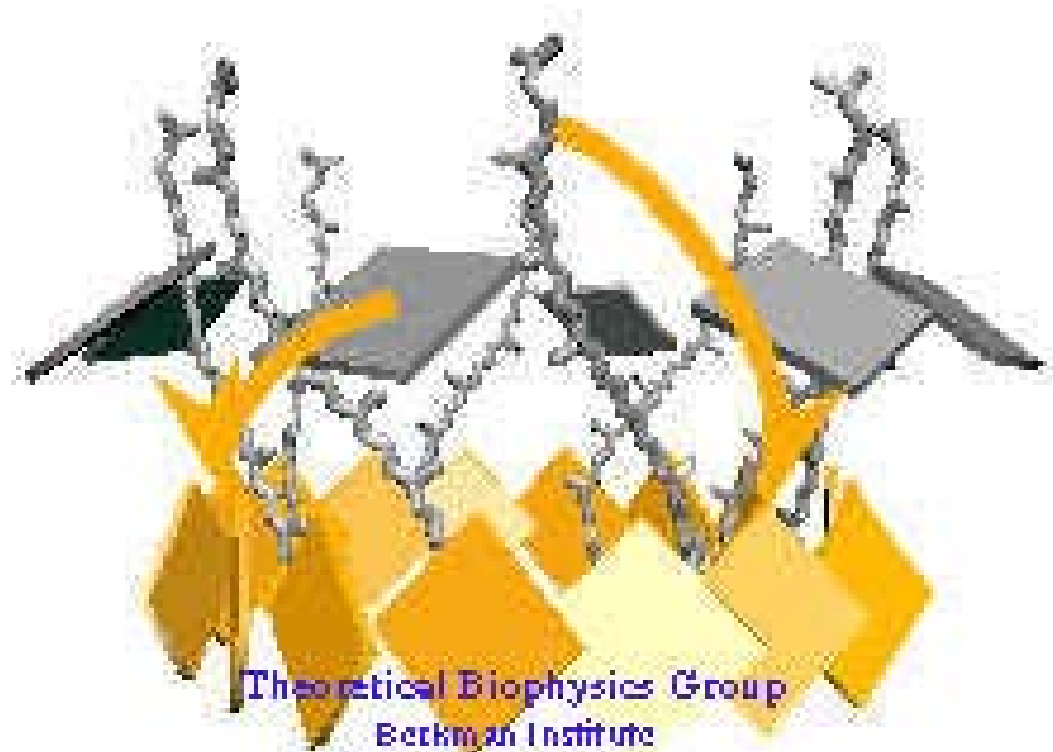


Theoretical Biophysics Group
Beckman Institute
University of Illinois at Urbana-Champaign

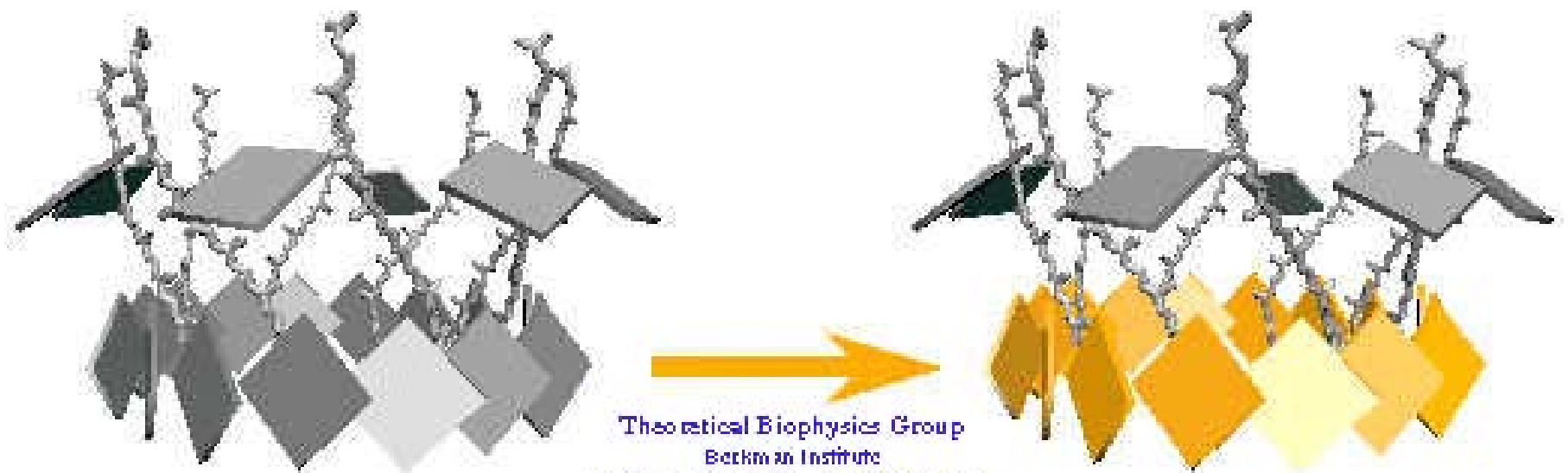
LIGHT-HARVESTING ANTENNA COMPLEX BChl LH2



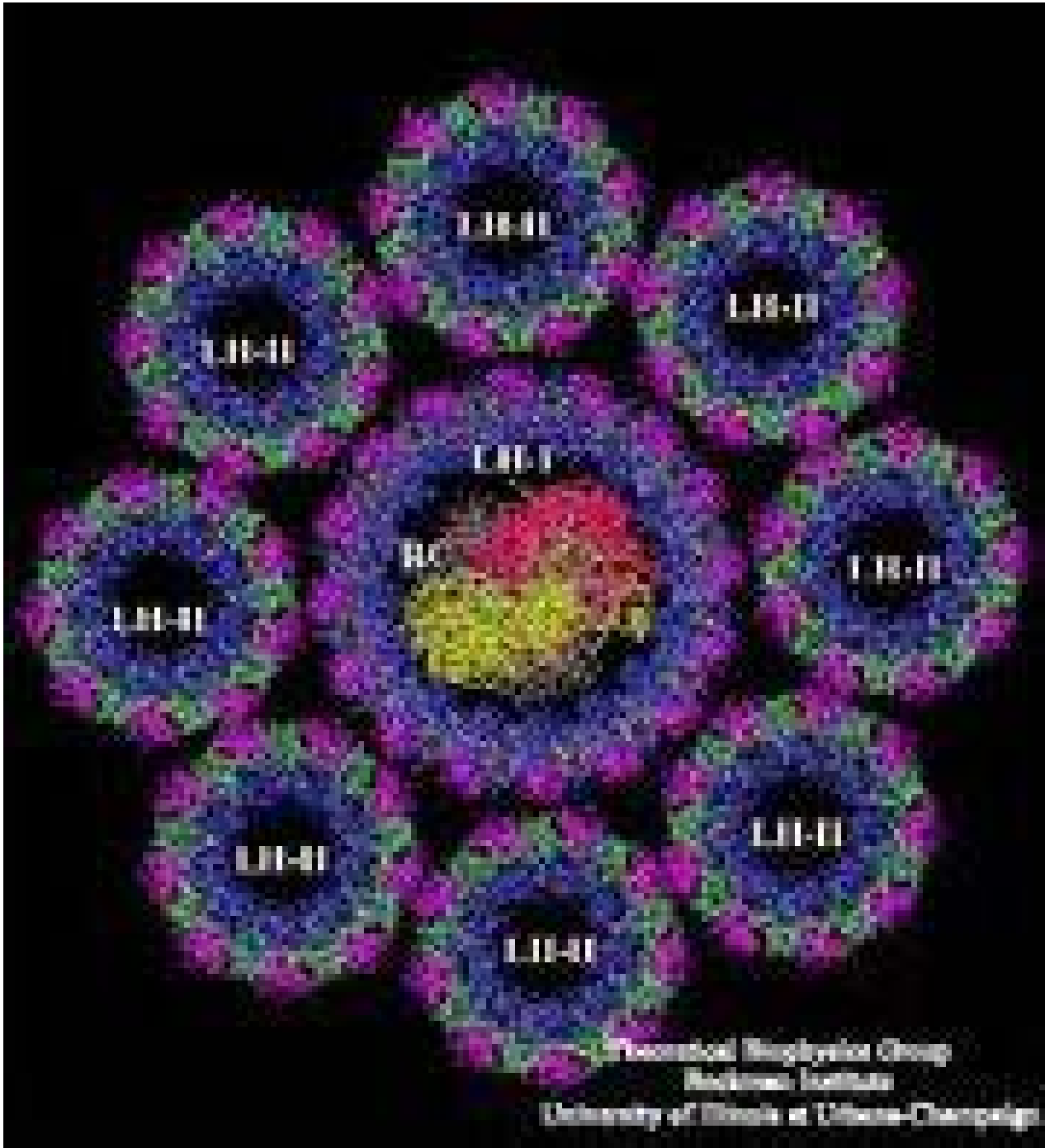


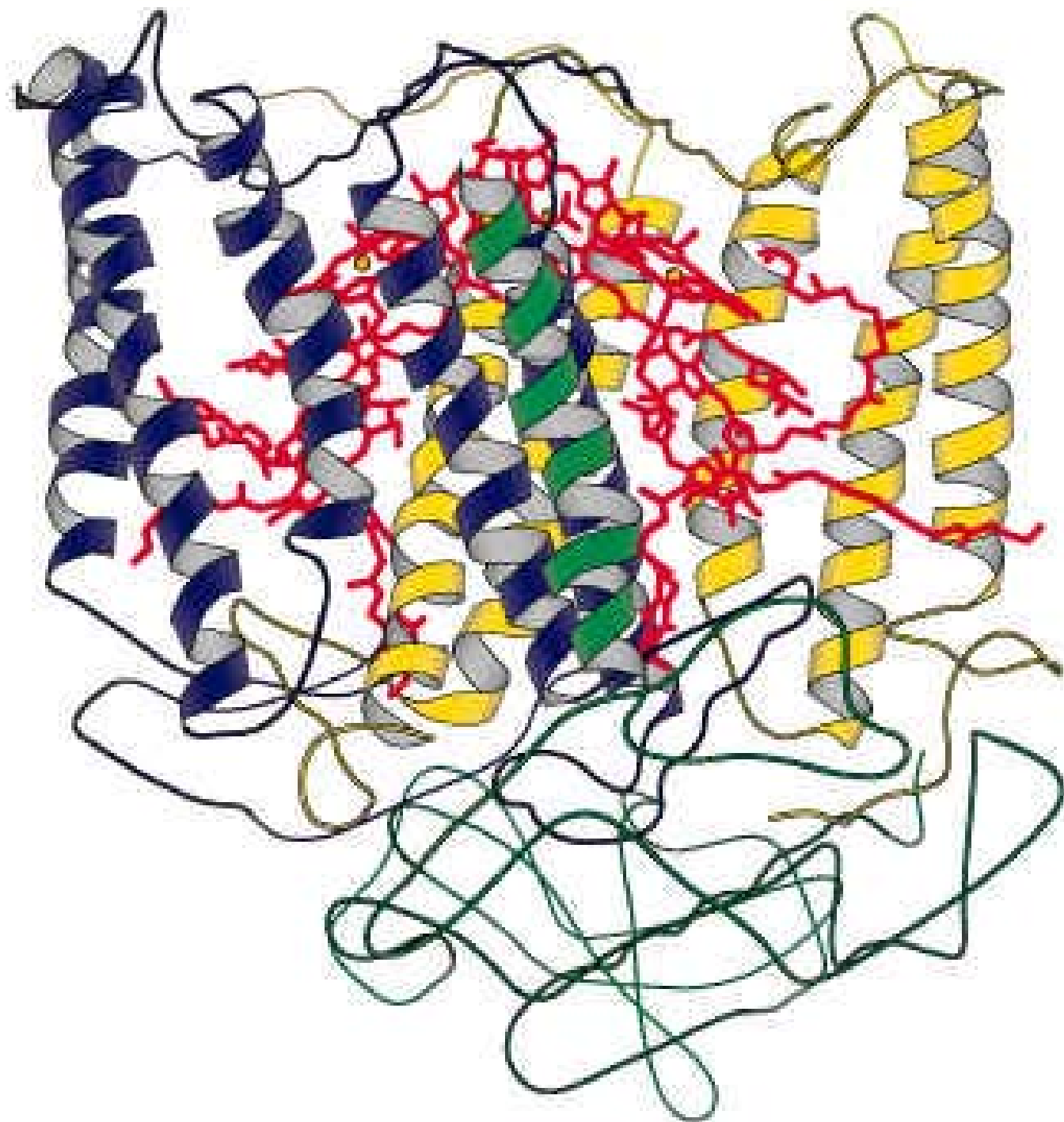


Theoretical Biophysics Group
Beckman Institute
University of Illinois Urbana-Champaign

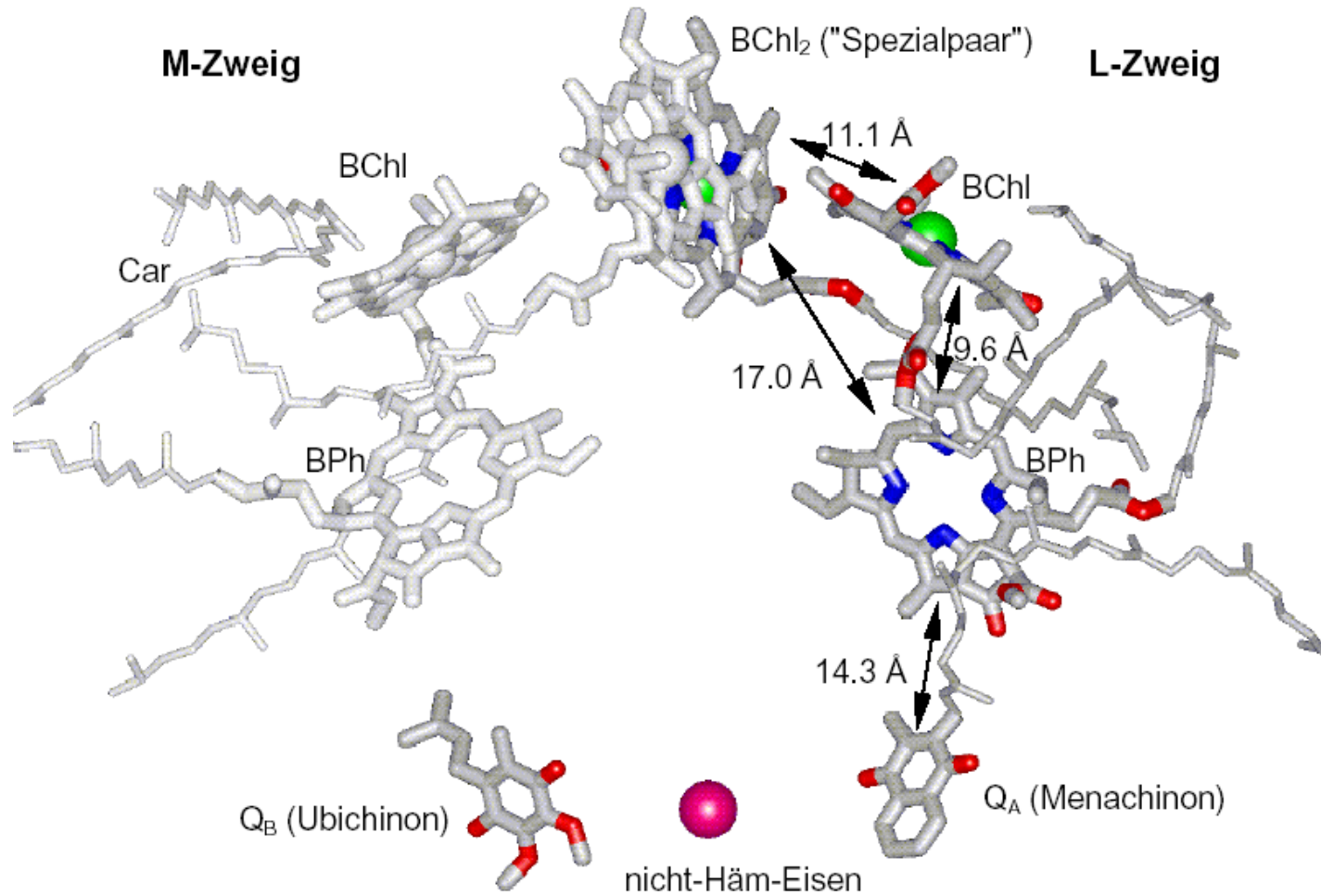


Theoretical Biophysics Group
Berkmann Institute
University of Illinois Urbana-Champaign

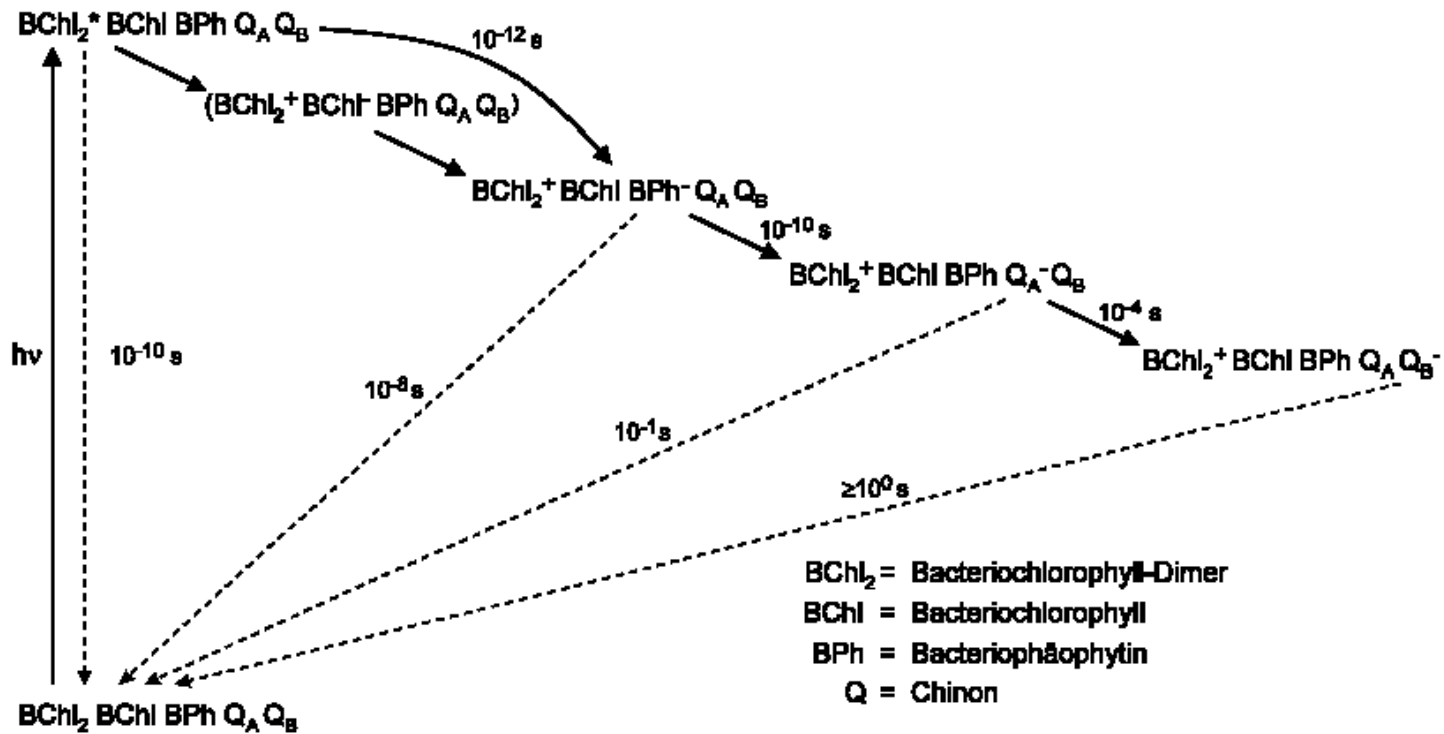


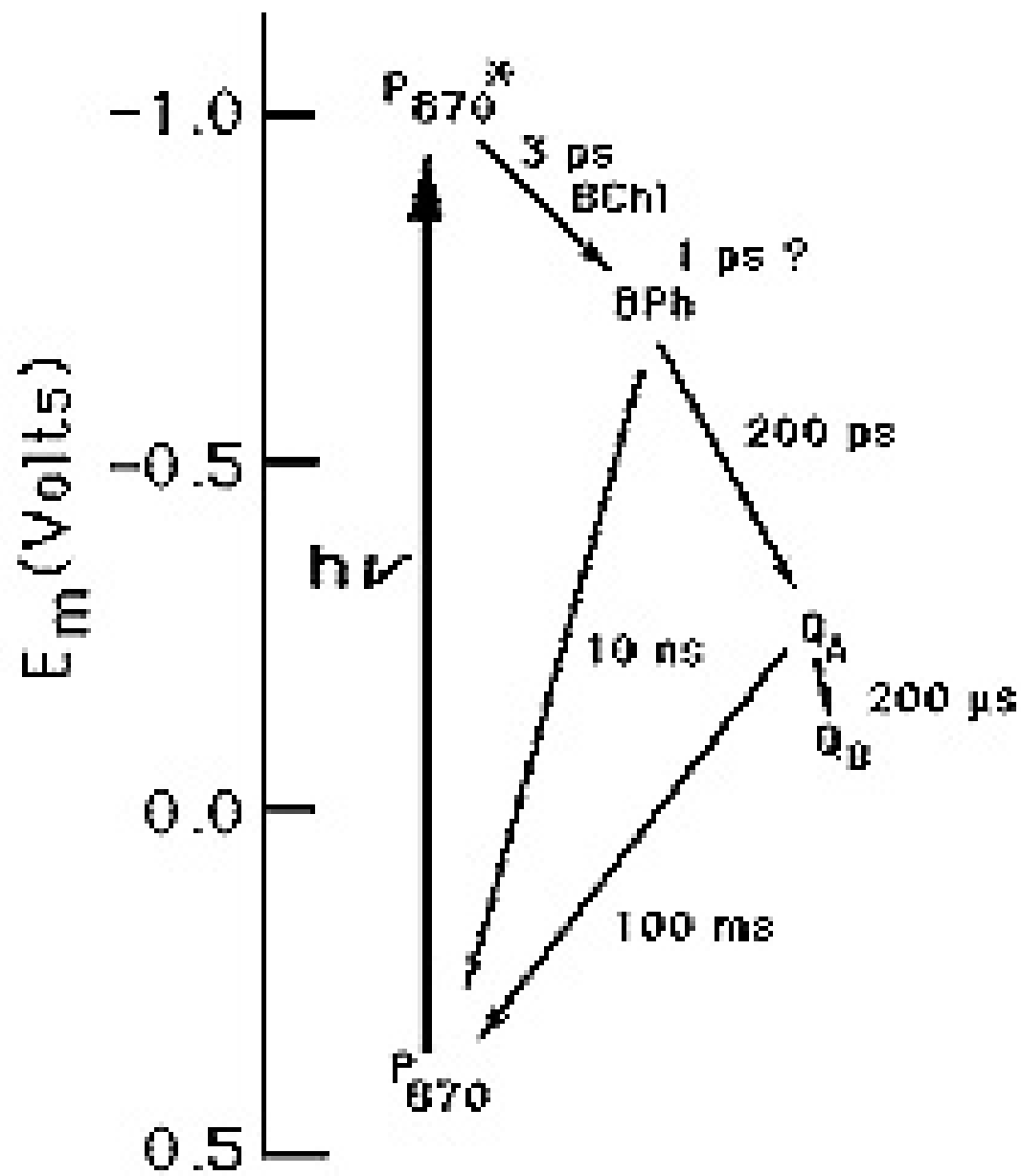


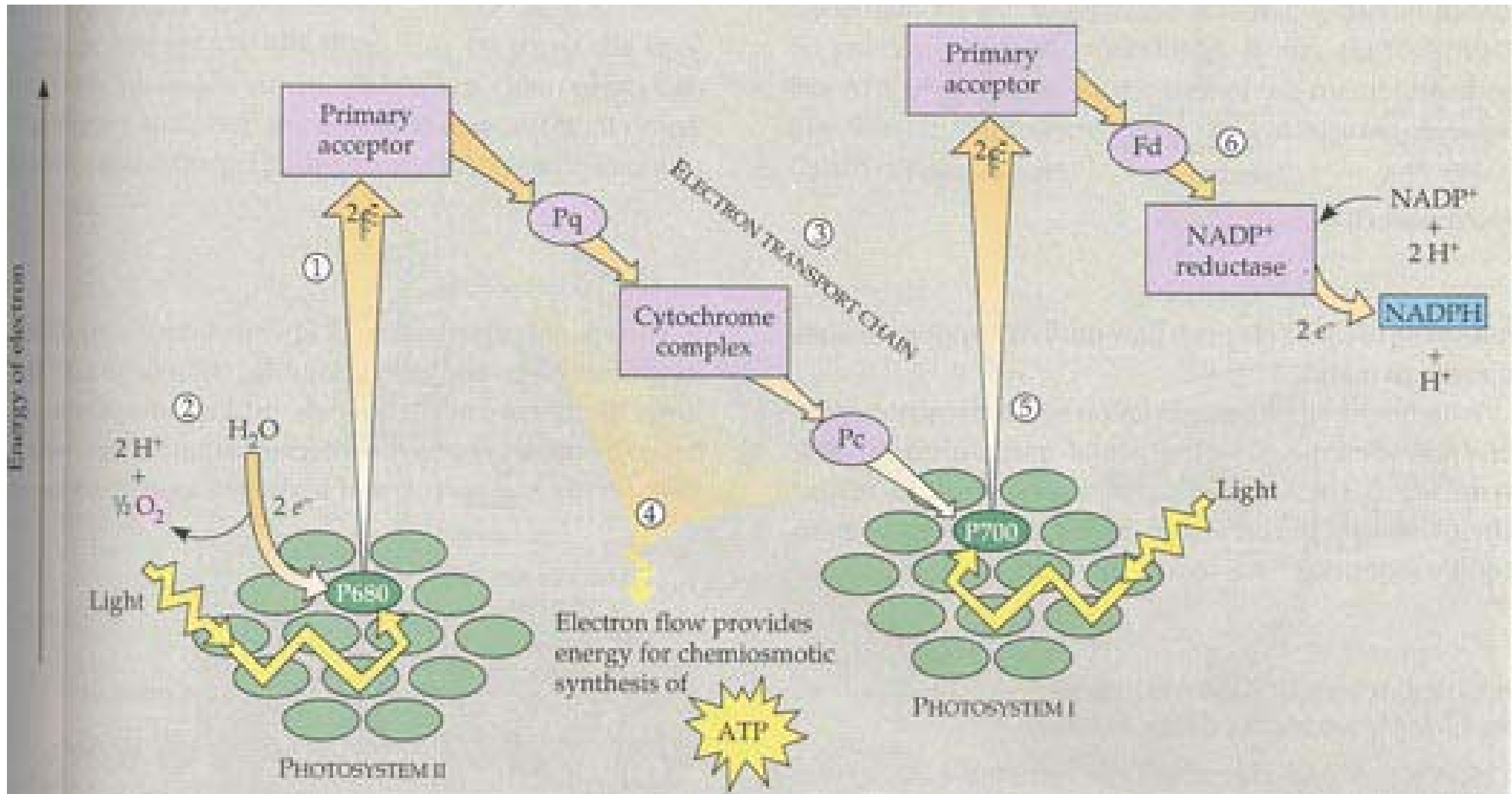
Primäres Reaktionszentrum

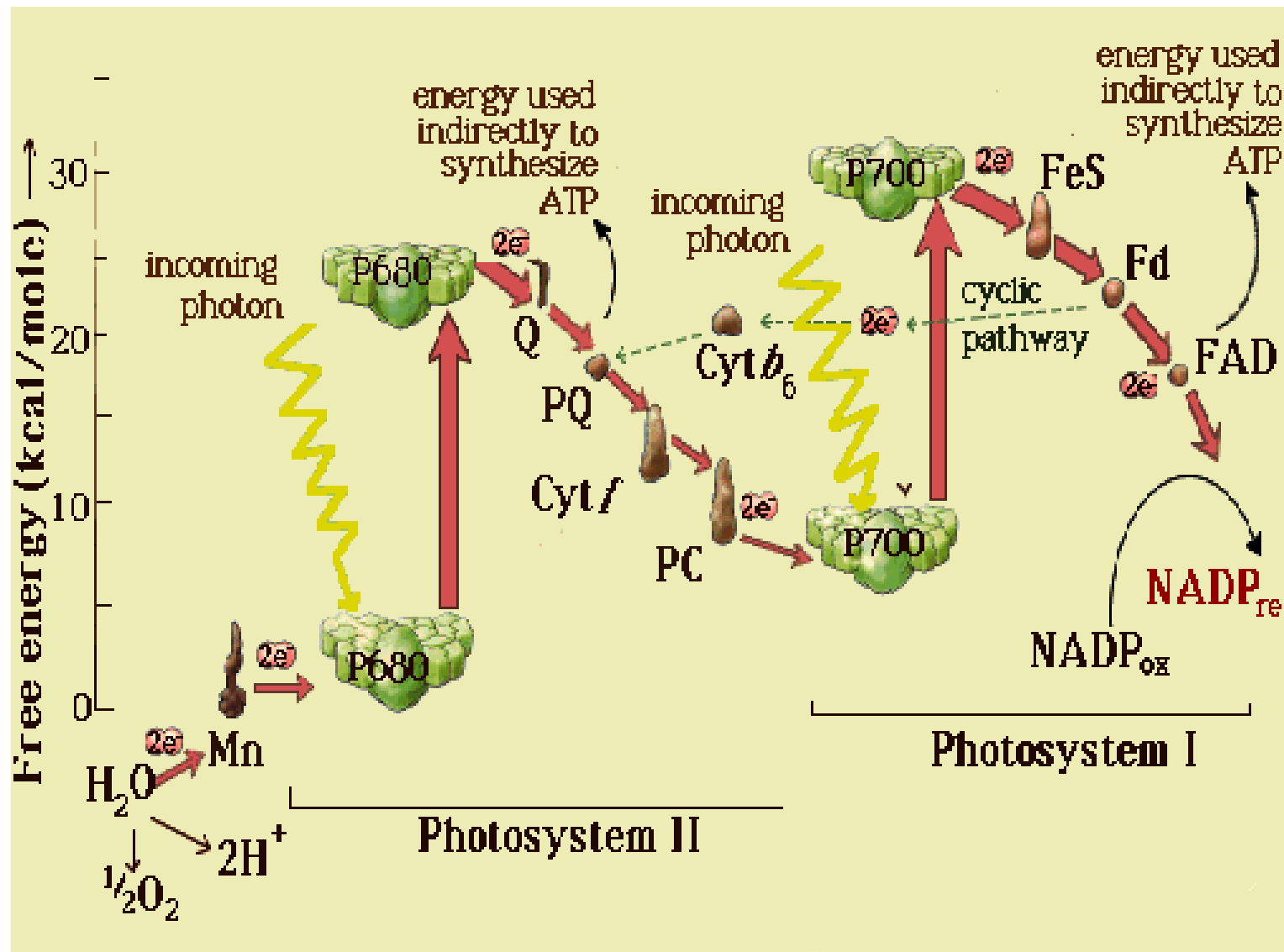


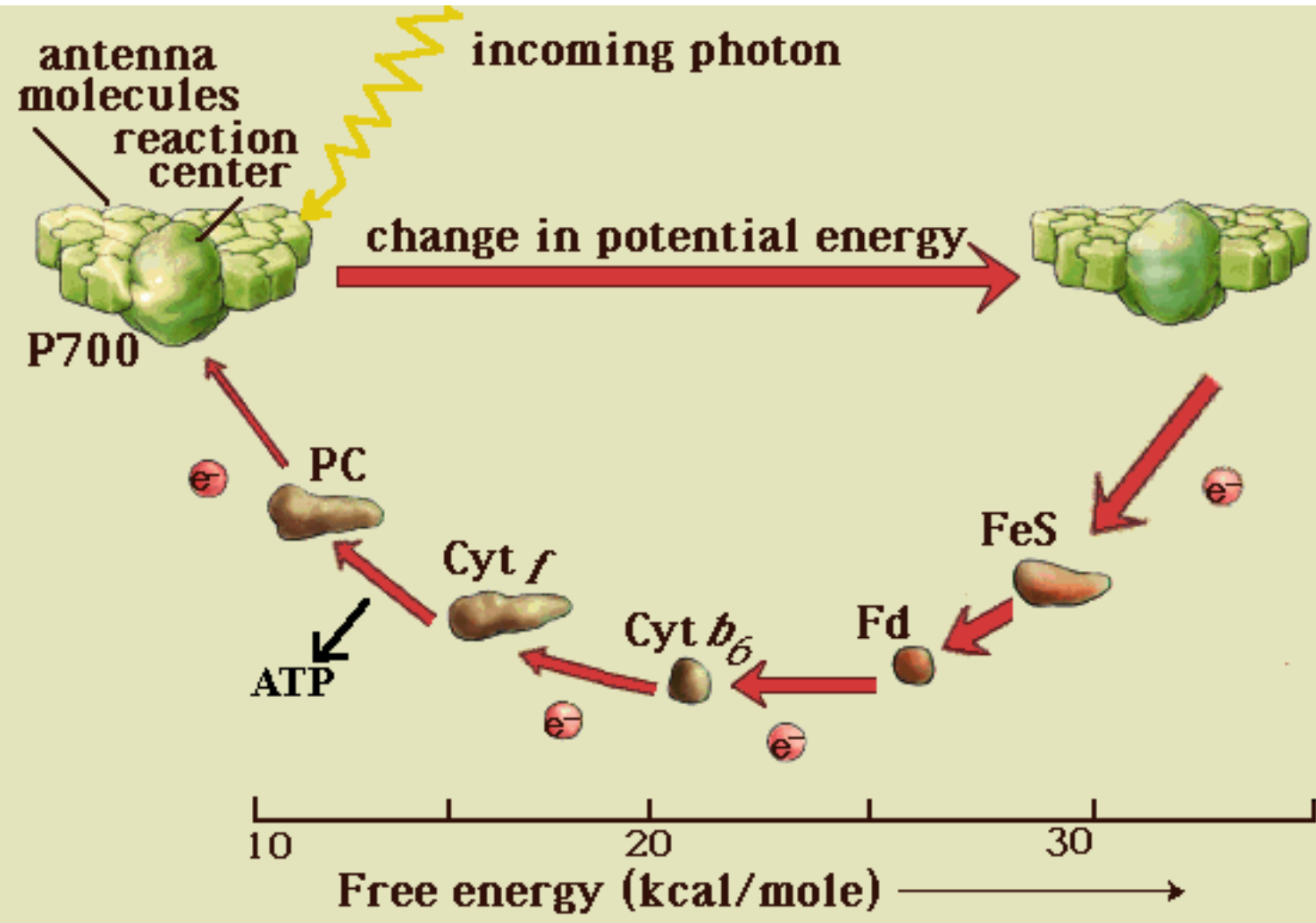
Electron Transfer - Schritte im Primären Reaktionszentrum

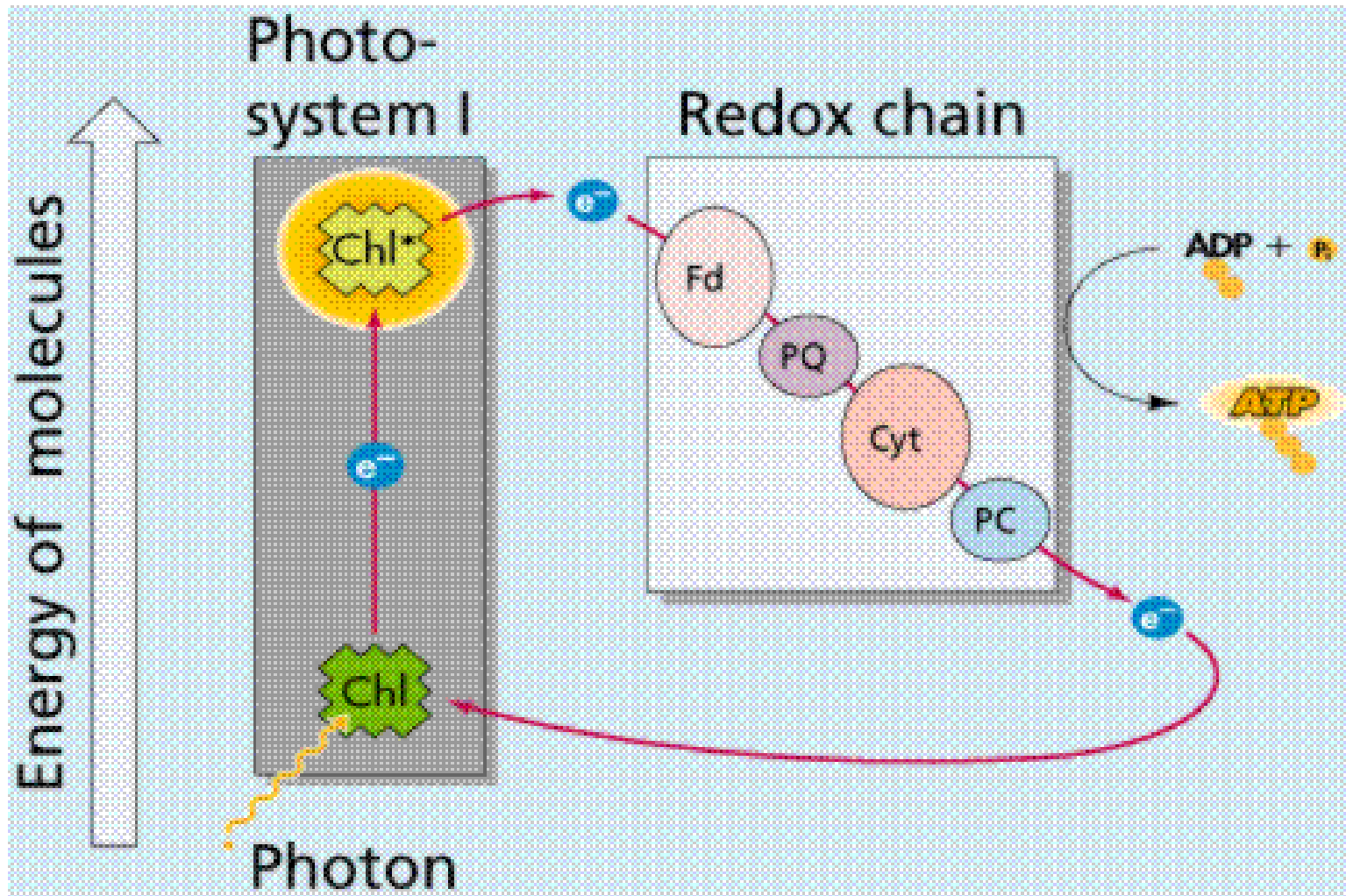


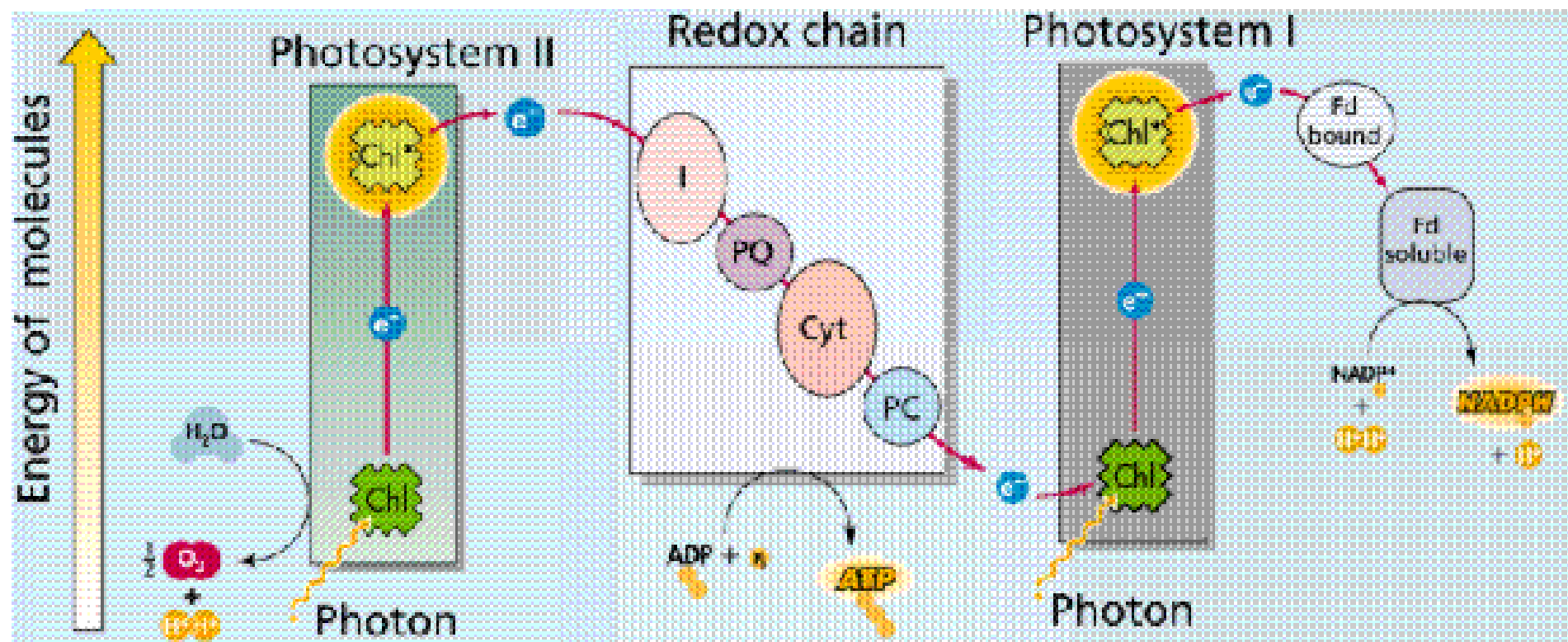




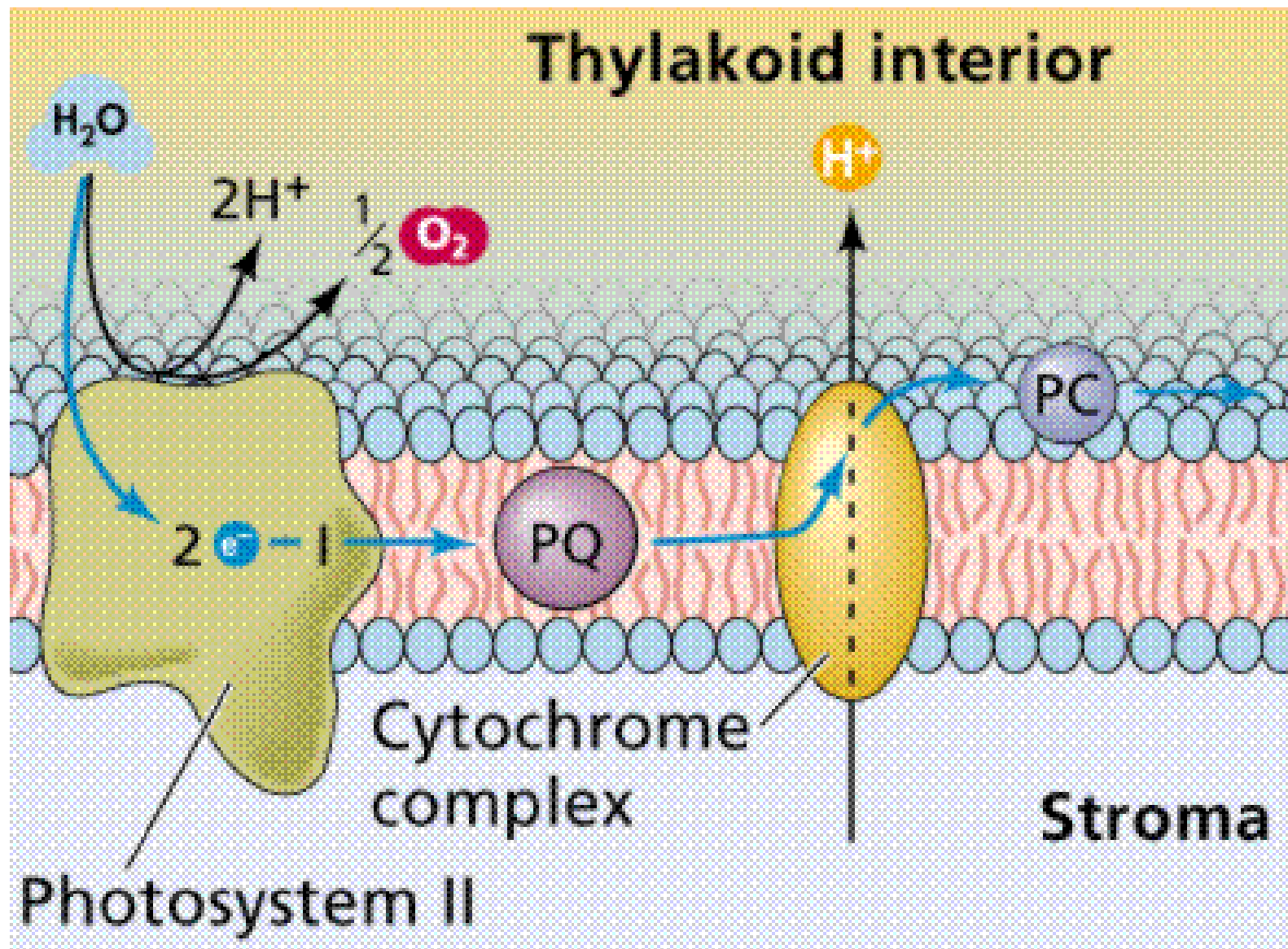


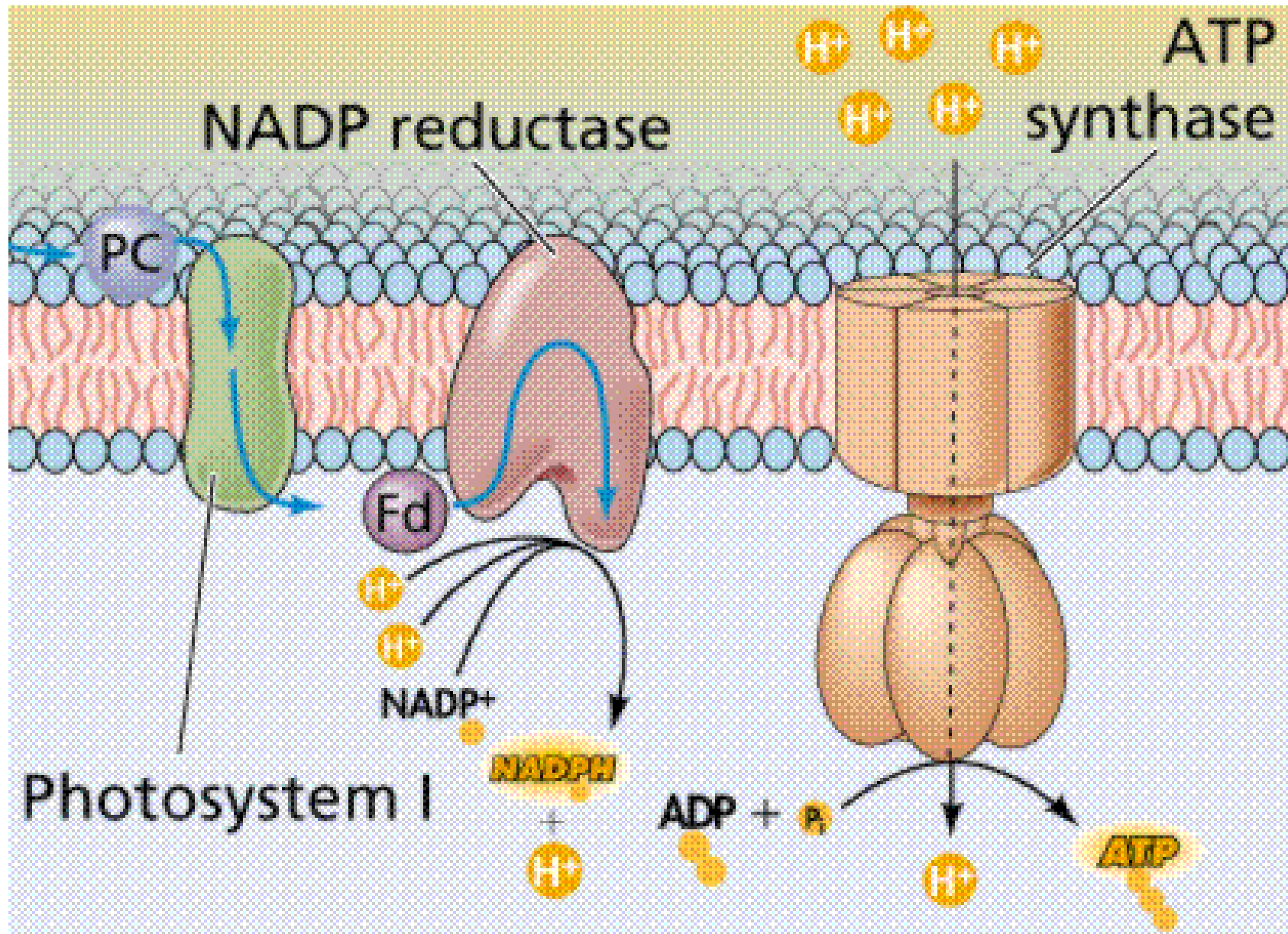


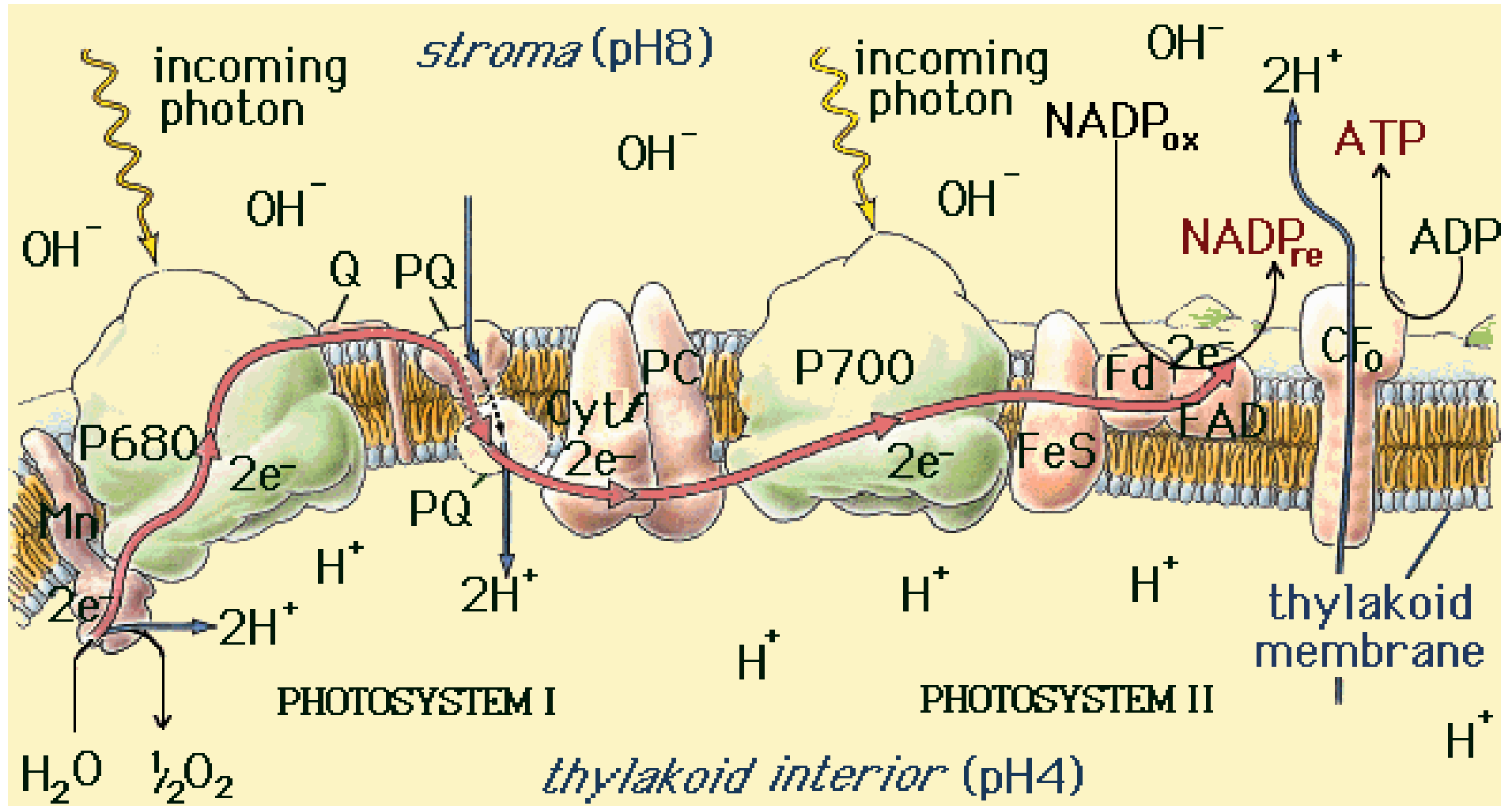


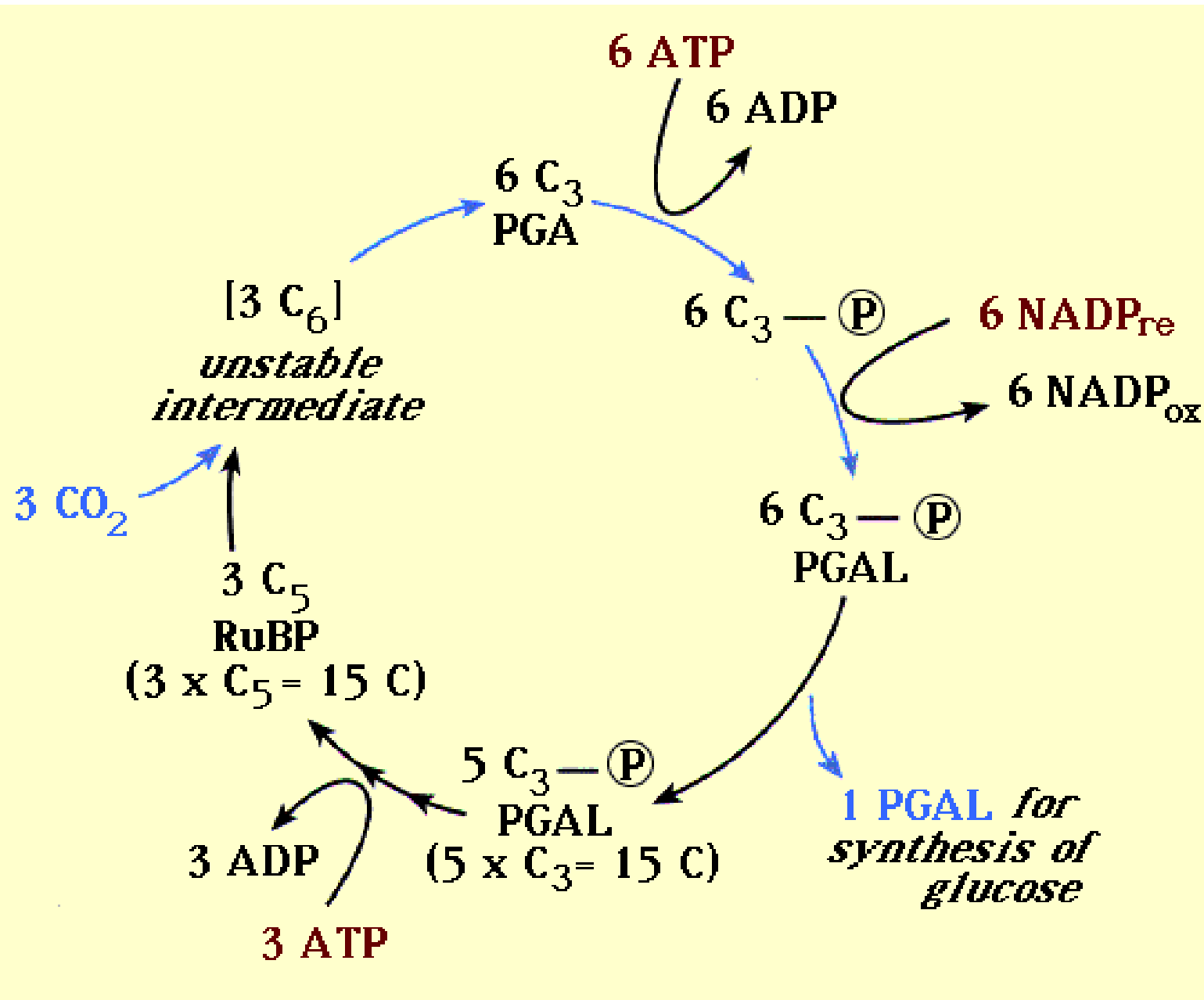


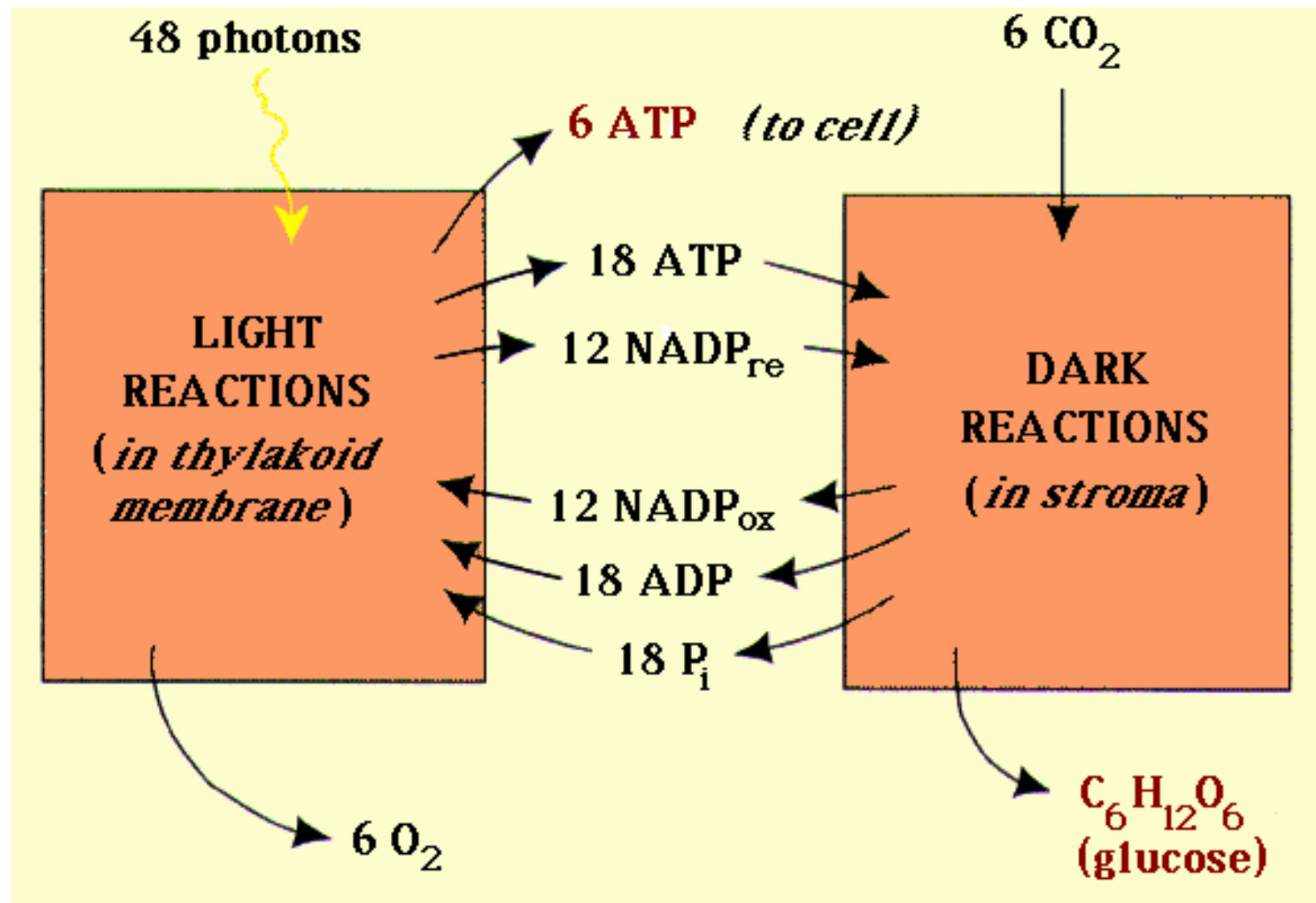
Thylakoid interior











Photosynthese im Web

<http://photoscience.la.asu.edu/photosyn/photoweb/default.html>