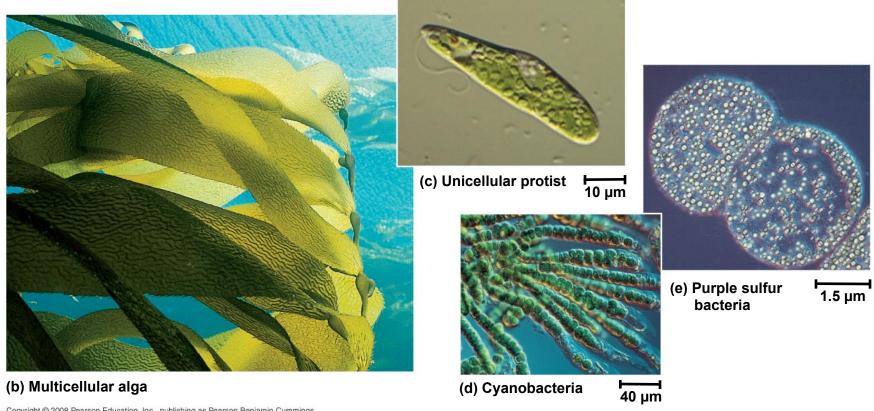
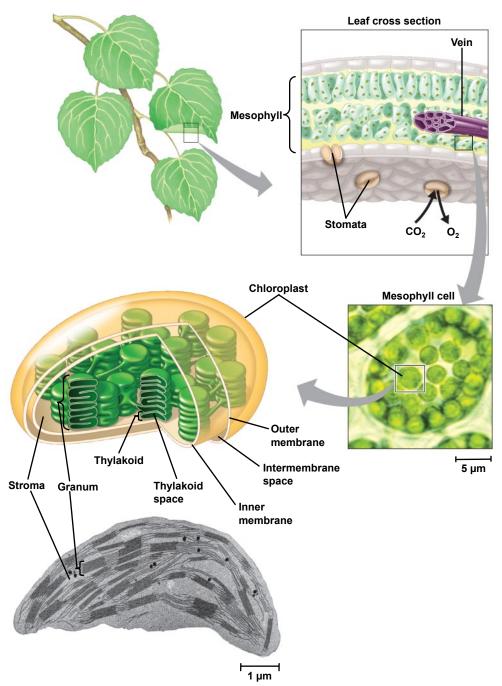


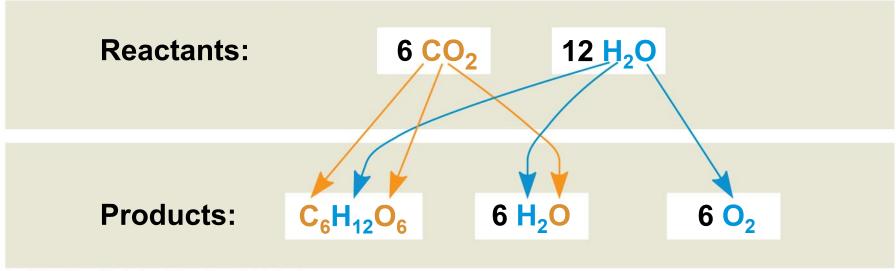
(a) Plants

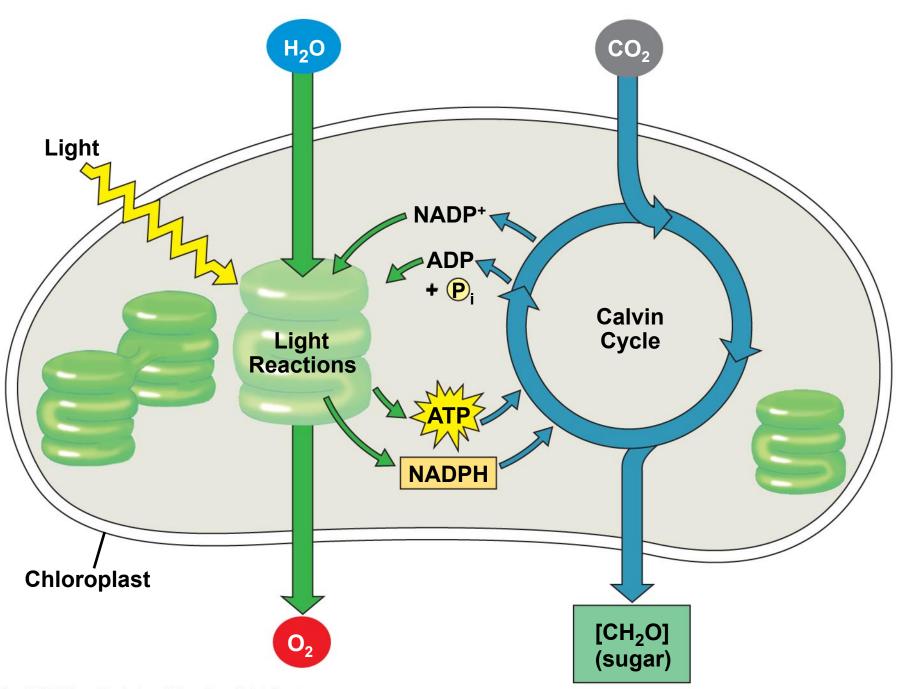


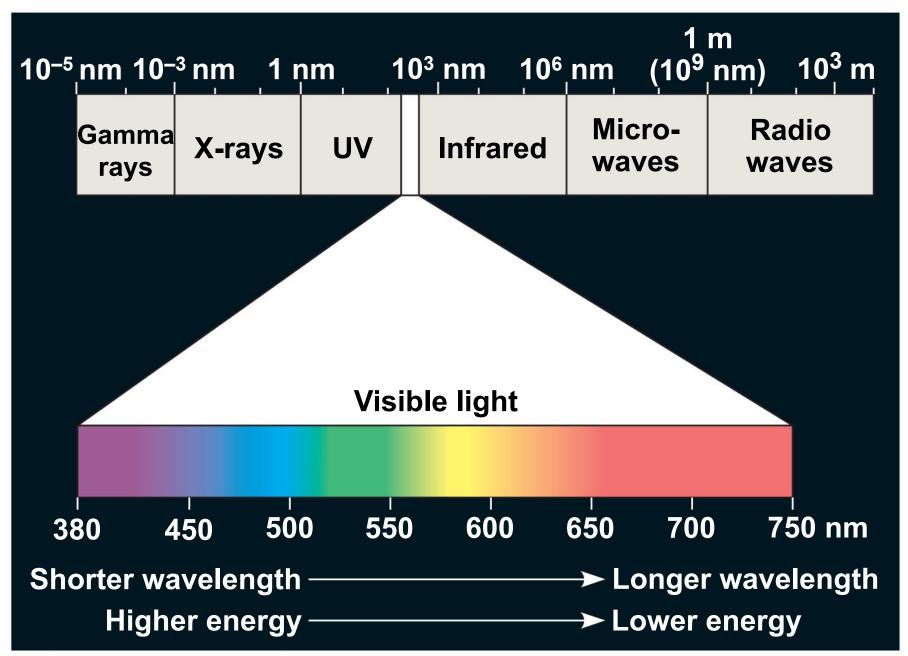
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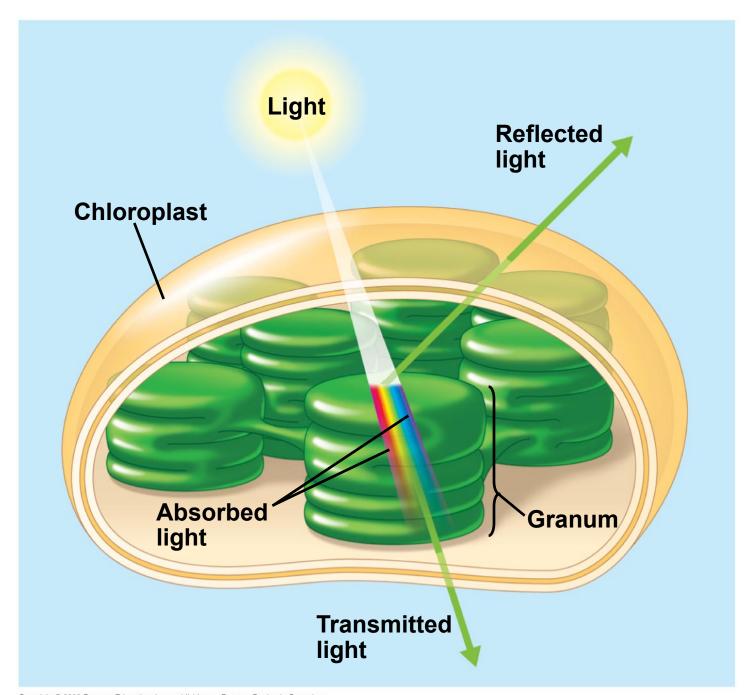


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## **RESULTS**

Apsorption of light by Chlorophyll *a*Chlorophyll *a*Chlorophyll *b*Carotenoids

400

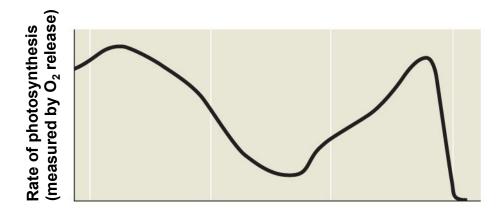
500

(a) Absorption spectra

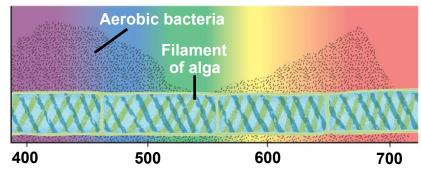
Wavelength of light (nm)

600

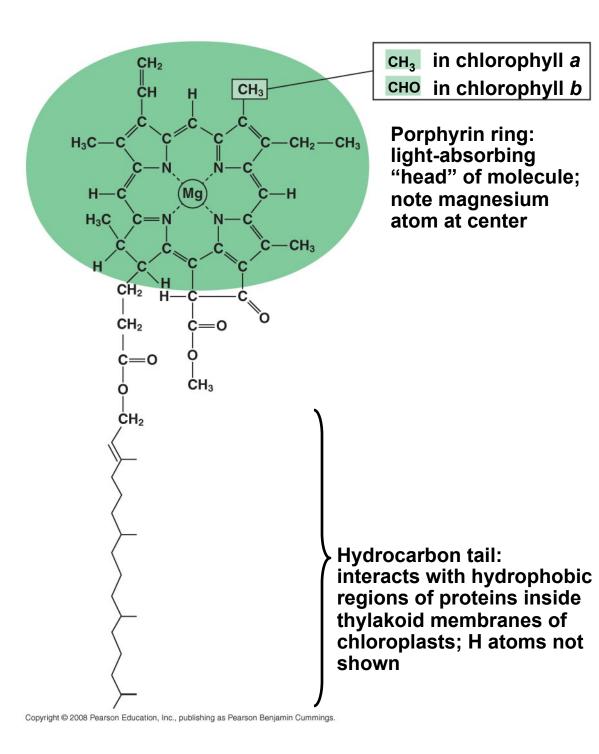
700

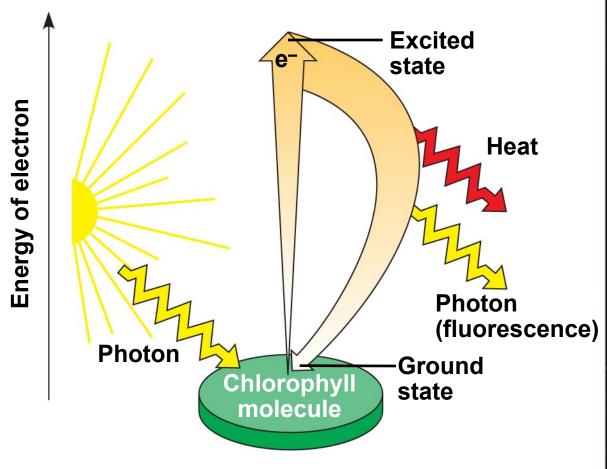


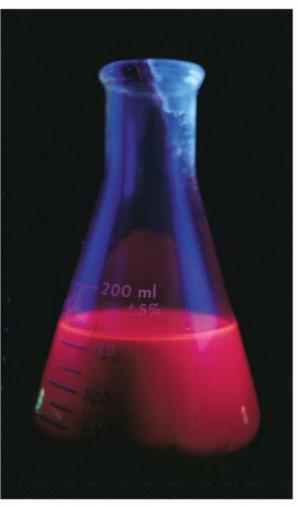
(b) Action spectrum



(c) Engelmann's experiment

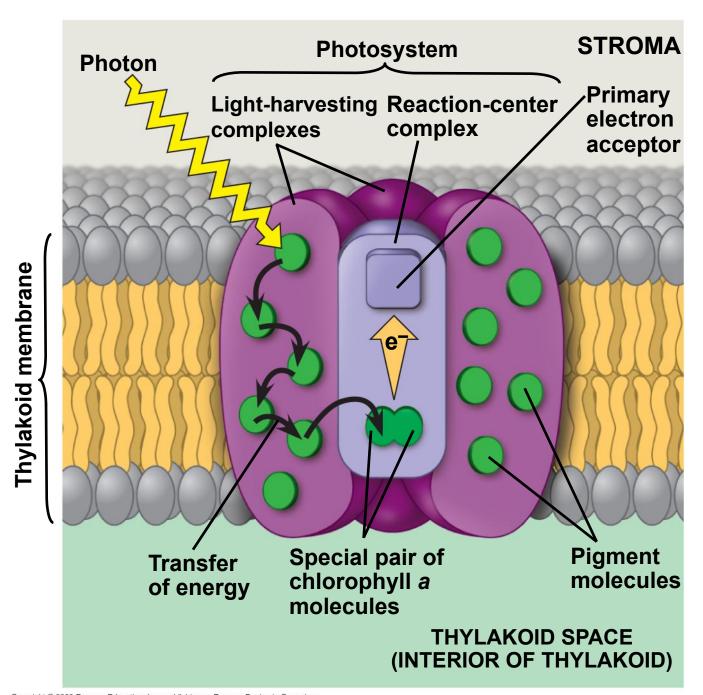


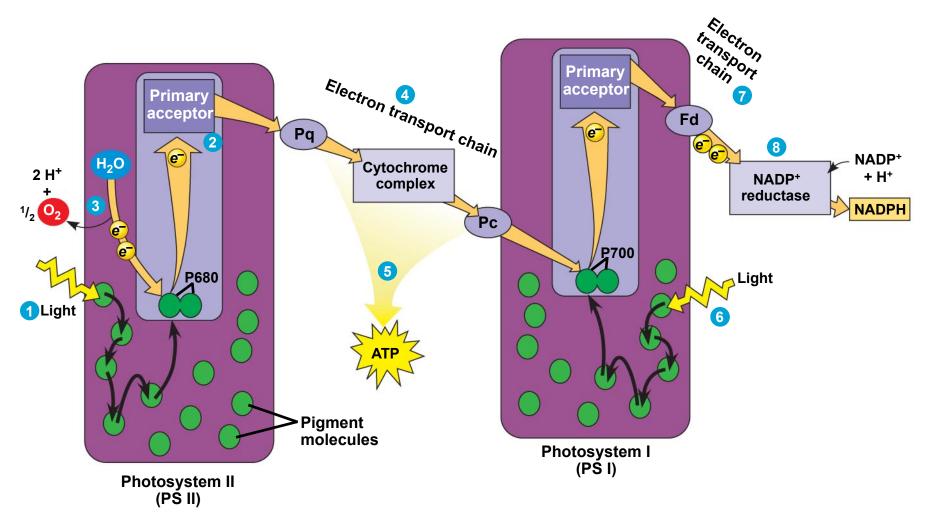


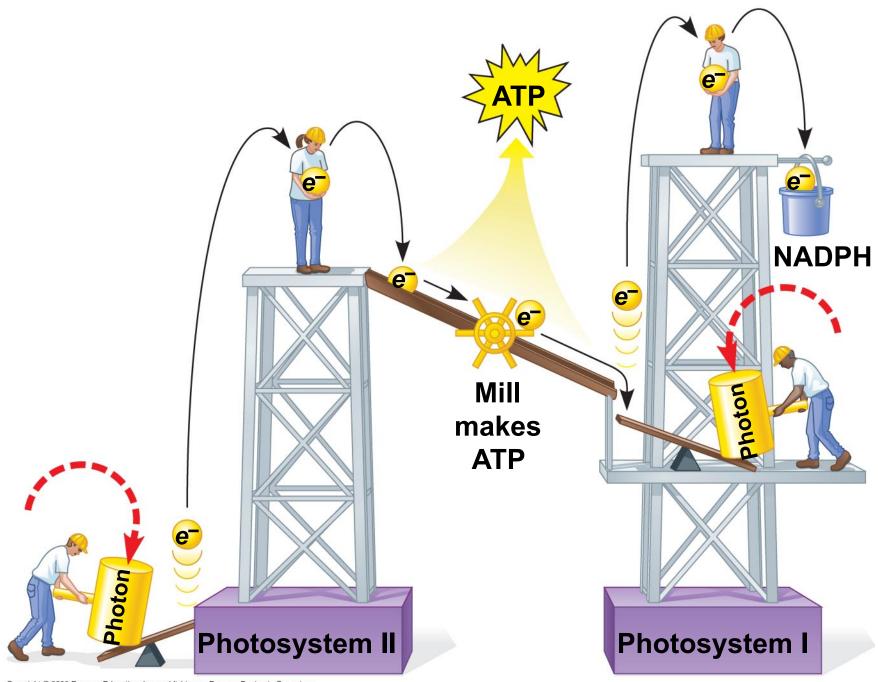


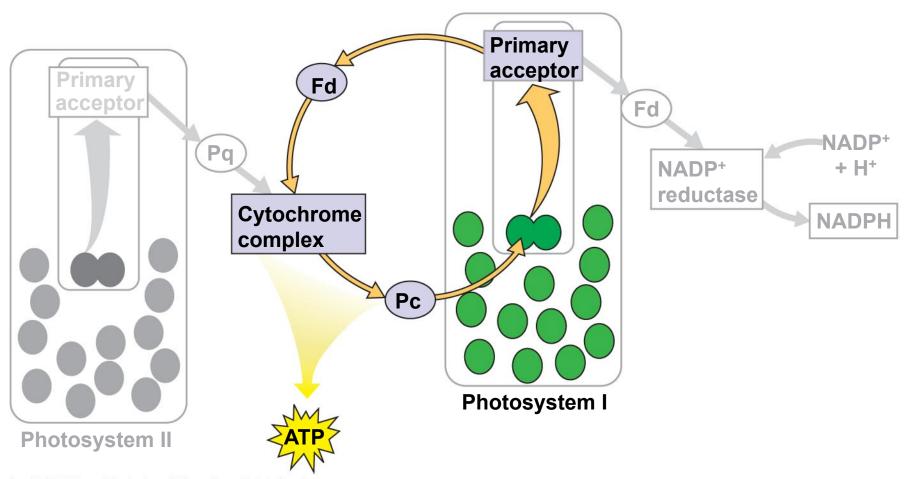
(a) Excitation of isolated chlorophyll molecule

(b) Fluorescence

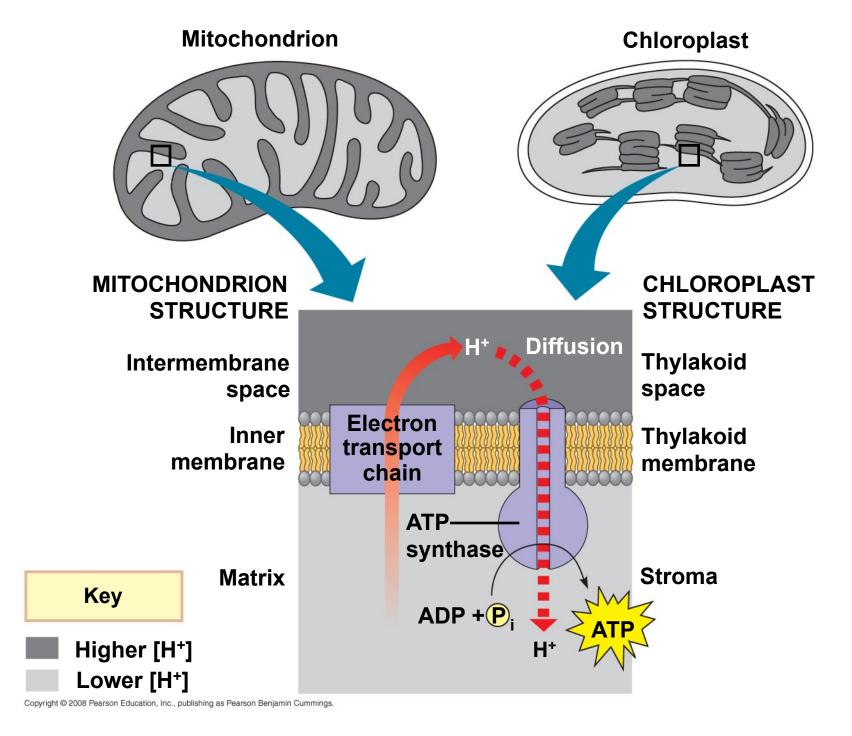


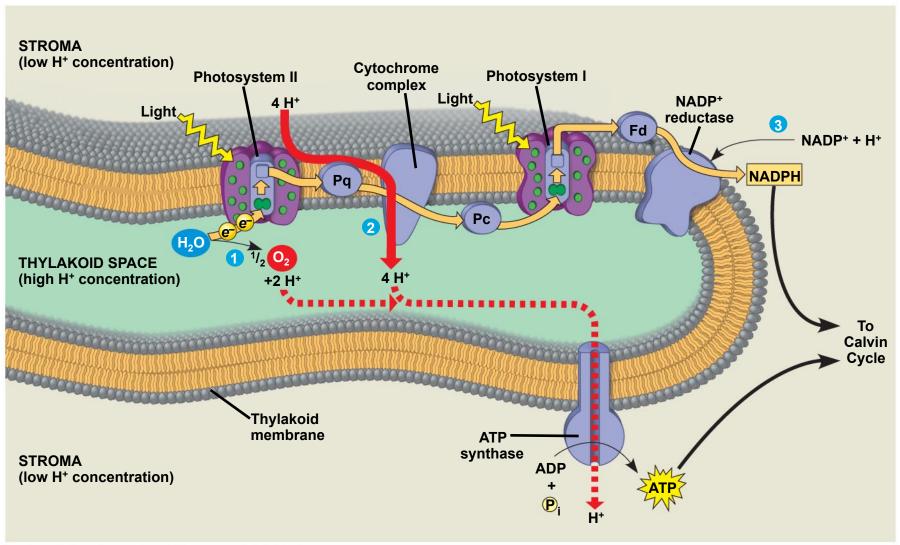




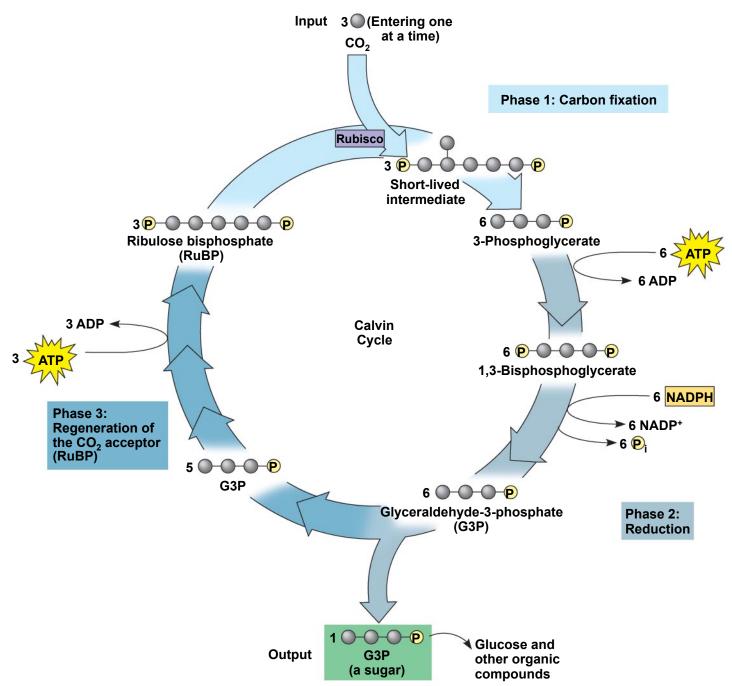


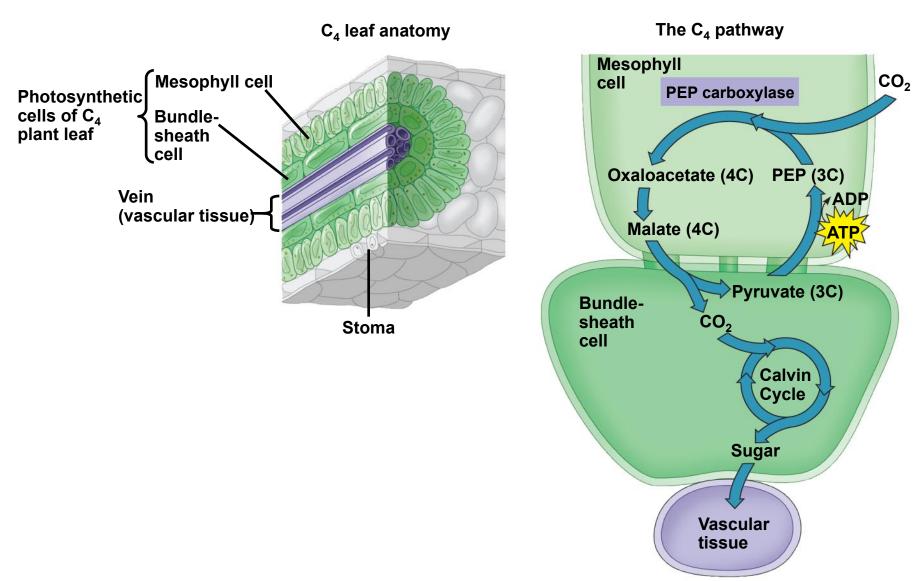
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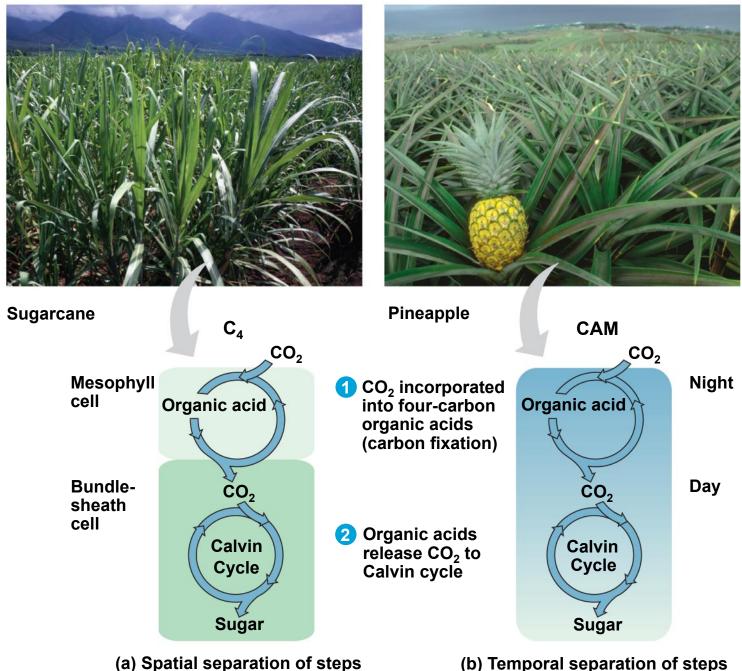




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(b) Temporal separation of steps

