

## 8.3 Photosynthesis

### Energy Transfer

Write a chemical equation for the process of photosynthesis



Outline the organisation of photosynthetic pigments into photosystems

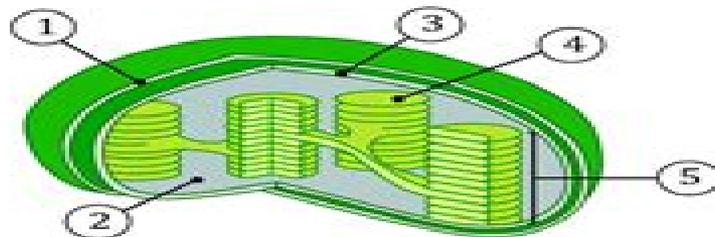
Photosynthetic pigments absorb different wavelengths of light, so to maximise light absorption they are grouped into photosystems (with accessory pigments passing electrons to a central reaction centre)

Identify the two stages of photosynthesis

1. Light dependent reactions
2. Light independent reactions (i.e. Calvin cycle)

### Chloroplasts

Label the different parts of a chloroplast



1. Outer membrane
2. Stroma
3. Inner membrane
4. Thylakoid
5. Grana

Explain the relationship between the structure of the chloroplast and its function

Structure	Function
Thylakoid	Disc shaped with small lumen (small volume maximises proton gradient)
Grana	Thylakoids organised into stacks (increases SA:Vol ratio)
Stroma	Contains appropriate enzymes and suitable pH for the Calvin cycle to occur

# Chapter 8 Photosynthesis Section 1 Answer Key

**ML Morrison**



**Chapter 8 Photosynthesis Section 1 Answer Key:**

## Embracing the Beat of Appearance: An Mental Symphony within **Chapter 8 Photosynthesis Section 1 Answer Key**

In a global used by displays and the ceaseless chatter of instantaneous connection, the melodic splendor and emotional symphony produced by the written term usually diminish in to the back ground, eclipsed by the relentless noise and disturbances that permeate our lives. Nevertheless, nestled within the pages of **Chapter 8 Photosynthesis Section 1 Answer Key** a marvelous literary treasure filled with organic feelings, lies an immersive symphony waiting to be embraced. Constructed by a masterful composer of language, this interesting masterpiece conducts visitors on a psychological journey, skillfully unraveling the hidden melodies and profound influence resonating within each carefully crafted phrase. Within the depths of this moving review, we shall explore the book is central harmonies, analyze its enthralling writing fashion, and surrender ourselves to the profound resonance that echoes in the depths of readers souls.

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