

8.3 Photosynthesis

Energy Transfer

Write a chemical equation for the process of photosynthesis

.....

Outline the organisation of photosynthetic pigments into photosystems

.....

.....

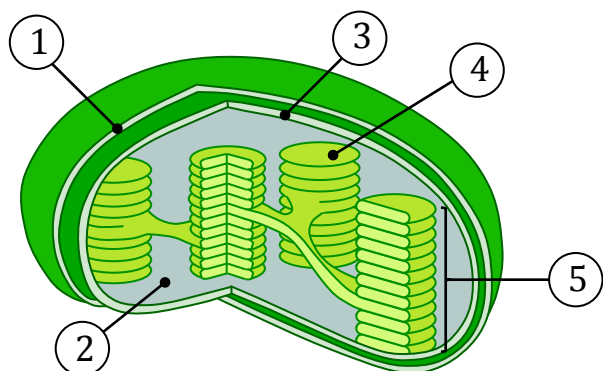
Identify the two stages of photosynthesis

1.

2.

Chloroplasts

Label the different parts of a chloroplast



1.

2.

3.

4.

5.

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

Structure	Function
Thylakoid	
Grana	
Stroma	

Photosynthesis Stages

Describe the key events in the light dependent reactions (non-cyclic photophosphorylation)

.....

.....

.....

.....

.....

Compare cyclic and non-cyclic photophosphorylation

	Cyclic Photophosphorylation	Non-Cyclic Photophosphorylation
Photosystems		
Products		
Purpose		

Describe the key events in the light independent reactions (Calvin cycle)

.....

.....

.....

.....

.....

Outline how Calvin established the stages of the Calvin cycle via the 'lollipop' experiment

.....

.....

.....

.....

.....