

Photosynthesis

Friday, 18 March 2022 10:50

Equiation For Photosynthesis

(urbon disvide toward light energy glucose toxygen

Carbon Lional diffuses through the Storman

Ly during wilting, the storman reduces in size

here, lesser pretosynthesis

Ly Belance there is large to

L) Be cause there is lesser to z conc in intercellular air spaces than in the atmosphere, coz will diffuse into the sporgs metaphy II layer

They contain a thin firm of moisture for pack diffusion of gars

WINTER

Hzo on tere the road via Demosis

Xyhem will then transport the ware and dissolut

Mineral sahs via transpiration

Hzo Linully onters the mesupnyll Golls via Demosis

After photosynthesis

Saturday, 19 March 2022

12.41 am

Glucose

- -used tor immediate cellular respiration
- converted into sucrose to be transported to other parts of the plant in translocation through Phloem
 - -excess sucrose converted to starch
- used to form amino acids (glucose and nitrates) which will form new protoplasm
- used to form fats for storage

Oxygen

- used immediately for cellular respiration
- diffuse through the stomata

Why is it importan to proposynthesis

Frotosynthesis produce for consumes

they are produces in the took wan without them aroughing
will hile

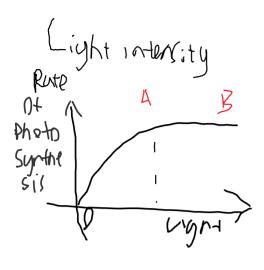
- Protosynthesis praview organ and remove could bloocite

essential for cuben cycle

Factors affecting photosynthesis

Saturday, 19 March 2022

1:26 am



Light energy is one of the conditions required for photosynthesis.

- As light intensity increases, the rate of photosynthesis increases from 0 to A.
- From 0 to A, light intensity is the limiting factor.
- Beyond A, as light intensity increases, the rate of photosynthesis remains constant
- Beyond A, light intensity is no longer the limiting factor.

Los concentration

Carbon dioxide is one of the raw materials for photosynthesis.

- When the temperature remains constant and the CO2 concentration increases to 0.13%, the rate of photosynthesis increases greatly.
 - This shows that carbon dioxide is the limiting factor

Light intensity
Temperature

reaction. - From the graph, increasing the temperature from 20oC to 30oC while keeping the CO2

- Photosynthesis is an enzyme-controlled

concentration constant does not bring about a large increase in rate.

- This shows that temperature is not the limiting factor

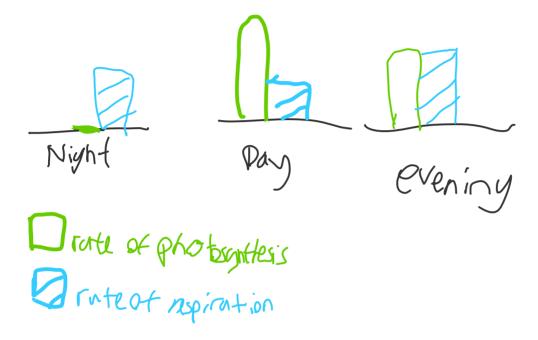
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Compensation point & Experiments

Sunday, 20 March 2022

7:19 pm

Refers to photosynthesisrate = rate of repiration



Testing for sturch

Firstly plt leaf in boiling water to remove waxy cuticle
Then put it in alcahol to remove epidermal (all
worsh leaf in mater gently to remove excess a leahol
Then add iodine on the but