

India's Number 1 Education App

BIOLOGY

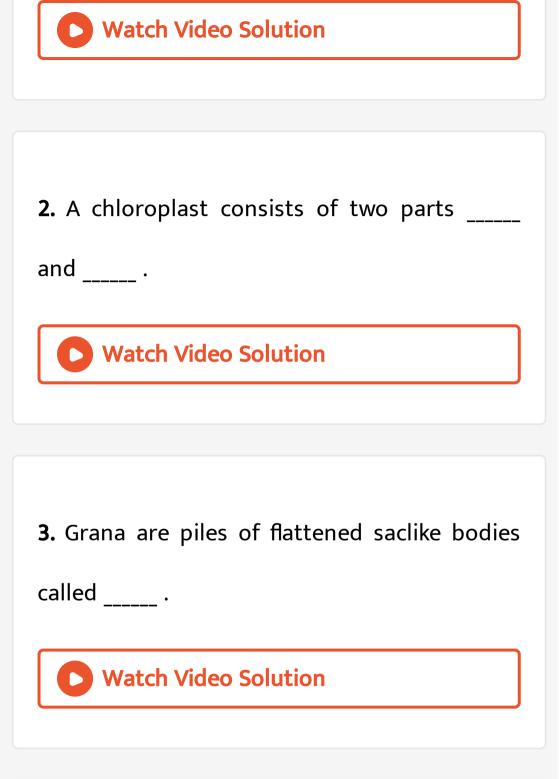
BOOKS - ICSE

PHOTOSYNTHESIS AND RESPIRATION IN PLANTS

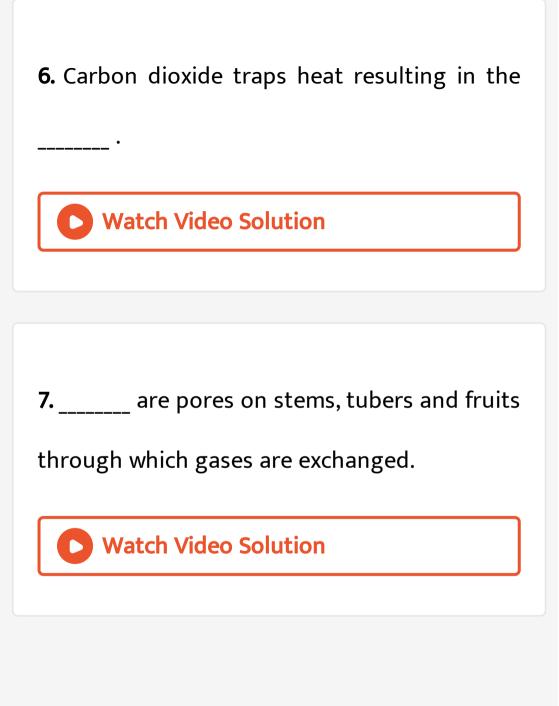
Exercises Fill In Blanks

1. The end products of photosynthesis are

_ and _____ .



4. Plants exchange gases through openings on leaves called . Watch Video Solution **5.** Two bean-shaped ______ cells surround a stoma. Watch Video Solution



8. In plants, carbon dioxide is liberated during
·
Watch Video Solution
9. Aerobic respiration producescarbon
dioxide and energy.
Watch Video Solution

10. Respiration that does not require oxygen is

called _____ respiration.

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Exercises Choose The Correct Option

1. Chlorophyll is essential to trap

A. oxygen

B. carbon dioxide

C. water

D. solar energy

Answer:



2. Stomata are mostly present in the

A. stem

B. root

C. leaf

D. fruit

Answer:

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3. Stomatal openings are surrounded by

A. grana

- B. thylakoids
- C. guard cells

D. stroma



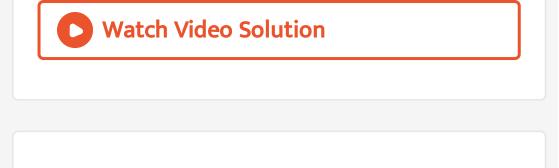


4. Photosynthesis is affected by

A. light

- B. carbon dioxide
- C. chlorophyll
- D. all of these





- 5. Aerobic respiration occurs within the
 - A. cytoplasm
 - B. mitochondria
 - C. chloroplast
 - D. cytoplasm and mitochondria

Answer:

6. Alcohol is produced in plants during

A. aerobic respiration

B. anaerobic respiration

C. photosynthesis

D. transpiration

Answer:

7. Chloroplasts are used for

A. photosynthesis

B. respiration

C. both (a) and (b)

D. none of these

Answer:

8. Lenticels are found on

A. fruits

B. tubers

C. stems

D. all of these

Answer:

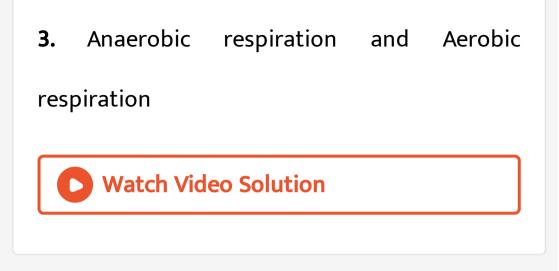
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Exercises Answer The Following

1. What is photosynthesis? What are the factors that affect this process?

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2. How do guard cells help open and close a stoma?



Exercises Explain In Brief

1. Why should we add more plants to our surroundings?

2. Describe the structure of chloroplast with

the help of diagrams.



3. Describe the structure of a stoma with a

diagram.

4. Describe an experiment to prove that starch

is formed in leaves during photosynthesis.



5. How would you prove that oxygen is formed

during photosynthesis?



6. What is the significance of photosynthesis?



7. Name the following :

Screen used to prove that light is necessary

for photosynthesis

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8. Place a variegated garden croton in sunlight for a day. Test one of its leaves with iodine solution Explain what happens.



