



BIOLOGY

NCERT - NCERT Biology(Tamil)

PLANT ANATOMY AND PLANT PHYSIOLOGY

Textbook Evaluation I Choose The Correct Answer 1. Casparian strips are present in the _____

of the root.

A. cortex

B. pith

C. pericycle

D. endodermis

Answer:

2. The endarch condition is the characteristic

feature of

A. root

B. stem

C. leaves

D. flower

Answer:

3. The xylem and phloem arranged side by side

on same radius is called ______.

A. radial

B. amphivasal

C. conjoint

D. none of these

Answer:

4. Which is formed during anaerobic

respiration

A. Carbohyderate

B. Ethyl alcohol

C. Acetyl CoA

D. Pyruvate

Answer:

5. Kreb's cycle takes place in

A. chloroplast

B. mitochondrial matrix

C. stomata

D. inner mitochondrial membrane

Answer:

6. Oxygen is produced at what point during photosynthesis?

A. when ATP is converted to ADP

B. when CO_2 is fixed

C.

D.

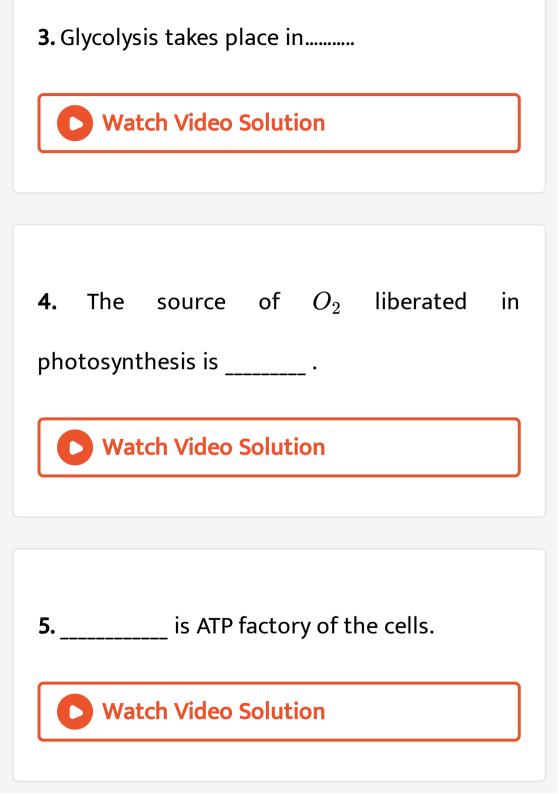
Answer:

1. Cortex lies between	
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2. Xylem and phloem occurring on the same radius constitute a vascular bundle called

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Textbook Evaluation Iii State Whether The Statements Are True Or False Correct The False Statement

1. Phloem tissue is involved in the transport of

water in plant.

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2. The waxy protective covering of a plant is

called as cuticle.

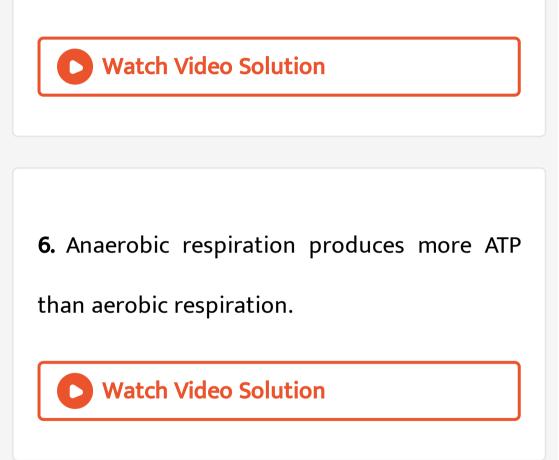
3. In monocot stem cambium is present in between xylem and phloem.

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4. Palisade parenchyma cells occur below

upper epidermis in dicot root.

5. Mesophyll contains chlorophyll.



Textbook Evaluation Iv Match The Following

1. Match the following columns

- 1. Amphicribal Dracaena -
- 2. Cambium Translocation of food
- 3. Amphivasal Fern
- 4. Xylem Secondary growth
 5. Phloem Conduction of water

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Textbook Evaluation V Answer In A Sentence

1. What is collateral vascular bundle?

2. Where does the carbon that is used in photosynthesis come from?

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3. What is the common step in aerobic and

anaerobic pathway?

4. Name the phenomenon by which carbohydrates are oxidized to release ethyl alcohol.

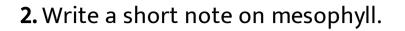


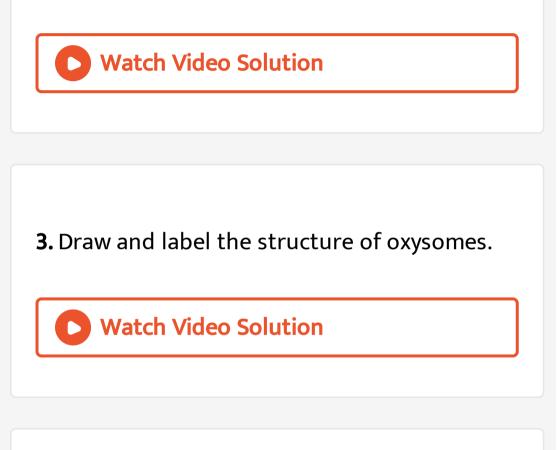
Textbook Evaluation Vi Short Answer Questions

1. Give an account on vascular bundle of dicot

stem.







4. Name the three basic tissue system in flowering plants.





5. What is photosynthesis and where in a cell

does it occur?

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6. What is respiratory quotient?

7. Why should the light dependent reaction occur before the light independent reaction? Watch Video Solution 8. Write the reaction for photosynthesis. Watch Video Solution

Textbook Evaluation Vii Long Answer Questions

1. Differentiate the following

Monocot root and Dicot root

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2. Differentiate the following

Aerobic and Anaerobic respiration

3. Describe and name three stages of cellular respiration that aerobic organisms use to obtain energy from glucose.



4. How does the light dependent reaction differ from the light independent reaction? What are the end product and rectants in each? Where does each reaction occur within the chloroplast?





Textbook Evaluation Viii Higher Order Thinking Skills Hots

- 1. The reactions of photosynthesis make up a
- biochemical pathway.
- What are the reactants and products for both
- light and dark reactions.



2. The reactions of photosynthesis make up a biochemical pathway.
Explain how the biochemical pathway of photosynthesis recycles many of its own reactions and identify the recycled reactants.

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3. Where do the light dependent reaction and

the Calvin cyd e occur in the chloroplast?

