



BIOLOGY

NCERT - NCERT BIOLOGY(TELUGU)

PHOTOSYNTHESIS IN HIGHER PLANTS

Questions

1. By looking at a plant externally can you tell whether a plant is C_3 or C_4 ? Why and how?



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2. By looking at which internal structure of a plant can you tell whether a plant is C_3 or C_4 ? Explain.



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3. Even though a very few cells in a C_4 plant carry out the biosynthetic – Calvin pathway, yet they are highly productive. Can you discuss why?



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4. Look at leaves of the same plant on the shady side and compare it with the leaves on the sunny side. Or, compare the potted plants kept in the sunlight with those in the shade. Which of them has leaves that are darker green? Why? Answer



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5. Give comparison between the following :

a. C_3 and C_4 pathways

b. Cyclic and Non-cyclic photophosphorylation

c. Anatomy of leaf in C_3 and C_4 plants.



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