



BIOLOGY

BOOKS - PSEB

NUTRITION IN PLANTS

Exercise

1. Why do organisms need to take food?



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2. Distinguish between a parasite and a saprotroph.



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3. How would you test the presence of starch in leaves?



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4. Give a brief description of the process of synthesis of food in green plants.



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5. Show with the help of a sketch that the plants are the ultimate source of food.



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6. Fill in the blanks: Green plants are called _____ since they synthesise their own food.



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7. Fill in the blanks: The food synthesised by the plants is stored as _____.



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8. Fill in the blanks: In photosynthesis solar energy is captured by the pigment called _____.



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9. Fill in the blanks: During photosynthesis plants take in _____ and release _____



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10. Name the following: A parastic plant with yellow, slender and tubular stem.



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11. Name the following: A plant that has both autotrophic and heterotrophic mode of nutrition.



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12. Name the following: The pores through which leaves exchange gases.



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13. Tick the correct answer: Amerbel is an example of:

A. autotroph

B. parasite

C. saprotroph

D. host

Answer:



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14. Tick the correct answer: The plant which traps and feeds on insects is:

A. Cuscuta

B. china rose

C. pitcher plant

D. rose

Answer:



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15. Match the items given in Column I with those in Column II:

Column I	Column II
Chlorophyll	Bacteria
Nitrogen	Heterotrophs
<i>Amarbel</i>	Pitcher plant
Animals	Leaf
Insects	Parasite



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16. Mark 'T' if the statement is true and 'F' if it is false: Carbon dioxide is released during photosynthesis.



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17. Mark 'T' if the statement is true and 'F' if it is false: Plants which synthesise their food themselves are called saprotrophs.



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18. Mark 'T' if the statement is true and 'F' if it is false: The product of photosynthesis is not a protein.



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19. Mark 'T' if the statement is true and 'F' if it is false: Solar energy is converted into chemical energy during photosynthesis.



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20. Choose the correct option from the following: which part of the plant takes in carbon dioxide from the air for photosynthesis ?

A. Root hair

B. Stomata

C. Leaf veins

D. Sepals

Answer:



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21. Choose the correct option from the following: Plant take carbon dioxide from the atomosphere mainly through there :

A. roots

B. stem

C. flowers

D. leaves

Answer:



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