



BIOLOGY

NCERT - NCERT BIOLOGY(TELUGU)

NUTRITION-FOOD SUPPLYING SYSTEM

Improve Your Learning

1. Write differences between

autotrophic nutrition - heterotrophic nutrition



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2. Write differences between

Ingestion - Digestion :



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3. Write differences between

Light reaction - Dark reaction:



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4. Write differences between

Chlorophyll - Chloroplast :



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5. Give reasons.

Why photosynthesis is considered as the basic energy source for most of living world?



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6. Give reasons.

Why is it better to call the dark phase of photosynthesis as a light independent phase?



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7. Give reasons.

Why is it necessary destarch a plant before performing any experiment on photosynthesis?



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8. Give reasons.

Why is it not possible to demonstrate respiration in green plant kept in sunlight ?



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9. Give examples

Digestive enzymes



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10. Give examples of organisms exhibiting heterotrophic nutrition



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11. Give examples

Vitamins



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12. Give examples

Nutritional deficiency diseases



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13. From where do plants get the raw materials required for photosynthesis ?



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14. Explain the process of photosynthesis in with the help of a flow chart?



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15. Explain the process of photosynthesis in with the help of a flow chart?



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16. What is the connecting substance between light reaction and dark reaction ?



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17. In most of leaves the upper surface will be more green and shiny than the lower surface.

Why?



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18. Explain the structure of chloroplast with a neat labelled sketch.



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19. What is the role of acid in stomach?



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20. Mention the names of glands and organs which help in digestion?



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21. How is the small intestine designed to assimilate the food? explain.



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22. How are fats digested? Where do they get digested?



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23. What is the role of saliva in the digestion of food?



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24. What will happen to protein digestion as the medium of intestine is gradually rendered alkaline ?



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25. What is the role of roughages in the alimentary tract?



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26. What is malnutrition? Explain some nutrition deficiency diseases.



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27. How do non-green plants such as fungi and bacteria obtain their nourishment?



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28. If we keep on increasing CO_2 concentration in air what will be the rate of photosynthesis?



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29. What happens if the rate of respiration is more than the rate of photosynthesis in a plant?



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30. How can you say that the carbohydrates are not digested in the stomach?



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31. How would you test the presence of starch on leaves?



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32. How would you demonstrate that green plants release oxygen when exposed to light ?



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33. Visit a primary health centre and collect the information about the children at different ages suffering from malnutrition.

S.No.	Age group	No. of children with malnutrition		
		Protiens	Calories	Vitamins
1.				
2.				



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34. Would the survival of organisms become difficult, if there are no green plants on the earth? How do you support it?



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35. Draw the labelled diagram of human digestive system? List out the parts where peristalsis takes place.



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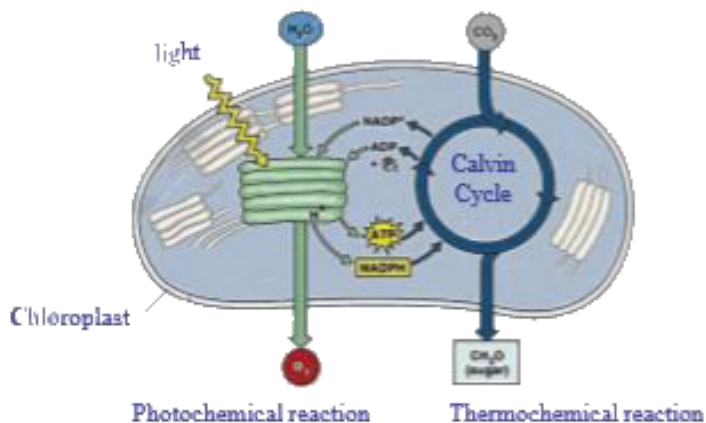
36. Raheem prepared a model showing the passage of the food through different parts of the alimentary canal? Observe this and label it's parts.



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37. Observe the following diagram and write a note on light dependent, light independent

reactions.



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38. What facts about the green plants do you appreciate ?

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39. What food habits do you follow after reading this chapter? Why?(Nutrition-food supplying system)



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Improve Your Learning Fill In The Blanks

1. The food synthesized by the plant is stored as _____.



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2. _____ are the sites of photosynthesis.



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3. The enzymes in the pancreatic juice help in the digestion of _____ and _____.



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4. The finger like projections which increases the surface area in small intestine are called_____.



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5. The gastric juice contains _____ acid.



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Improve Your Learning Choose The Correct Answer

1. _____ vitamin is synthesised by bacteria present in intestine.



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2. Which of the following organisms take the food by parasitic nutrition?

(i) Yeast (ii) Mushrooms (iii) Cuscut (iv) Leeches

A. (i), (ii)

B. (iii)

C. (iii), (iv)

D. (i)

Answer:



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3. The rate of Photosynthesis is not affected by.

A. Light Intensity

B. Humidity

C. Temperature

D. Carbon dioxide concentration

Answer:



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4. A plant is kept in dark for about forty eight hours before conducting any experiment on Photosynthesis in order to :

A. Remove chlorophyll from leaves

B. Remove water from leaves

C. Ensure that no photosynthesis occurred

D. Ensure that leaves are free from the
starch

Answer:



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5. The digestive juice without enzyme is

A. Bile

B. Gastric juice

C. Pancreatic juice

D. saliva

Answer:



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6. In single celled animals, the food is taken by

A. body surface

B. Mouth

C. Teeth

D. Vacuoles

Answer:



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7. 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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