



# BIOLOGY

## NCERT - NCERT BIOLOGY(TELUGU)

### LIFE PROCESSES

#### Questions

1. Why is diffusion insufficient to meet the oxygen requirements of multicellular organisms like humans?



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2. What criteria do we use to decide whether something is alive?



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3. What are outside raw materials used for by an organism?



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4. What processes would you consider essential for maintaining life?



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5. What are the differences between autotrophic nutrition and heterotrophic nutrition?



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6. Where do plants get each of the raw materials required for photosynthesis?



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7. What is the role of acid in stomach ?



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8. What is the function of digestive enzyme ?



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**9.** How is the small intestine designed to absorb digested food? Explain.



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**10.** What advantage over an aquatic organism does a terrestrial organism have with regard to obtaining oxygen for respiration?



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**11.** What are different ways in which glucose is oxidised to provide energy in various organisms?



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**12.** How is oxygen and carbon dioxide transported in human beings?



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**13.** How are the lungs designed in human beings to maximise the area for exchange of gases?



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**14.** What are the components of the transport system in human beings?



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**15.** What are the functions of tongue?



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**16.** Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?



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**17.** What are the components of the transport system in highly organised plants ?



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**18.** How are water and minerals transported in plants? How is food transported in plants?



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**19.** Describe the structure and functioning of nephrons.



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**20.** What are the methods used by plants to get rid of excretory products?



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21. How is the amount of urine produced regulated?



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## Exercises

1. The kidneys in human beings are a part of the system for

A. nutrition.

B. respiration.

C. excretion.

D. transportation.

**Answer:**



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2. The xylem in plants are responsible for

A. transport of water.

B. transport of food.

C. transport of amino acids.

D. transport of oxygen.

**Answer:**



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**3. The autotrophic mode of nutrition requires**

A. carbon dioxide and water.

B. chlorophyll.

C. sunlight.

D. all of the above.

**Answer:**



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4. The breakdown of pyruvate to give carbon dioxide, water and energy takes place in

A. cytoplasm.

B. mitochondria.

C. chloroplast.

D. nucleus.

**Answer:**



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**5. How are fats digested in our bodies? Where does this process take place?**



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



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7. Explain the necessary conditions for autotrophic nutrition and what are its by products?



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**8.** What are the differences between aerobic and anaerobic respiration? Name some organisms that use the anaerobic mode of respiration.



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**9.** How are alveoli designed to maximise the exchange of gases ?



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**10.** What would be the consequences of deficiency of haemoglobin in our bodies ?



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**11.** Write differences between

Xylem - Phloem ?



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