

# Life Processes

## TEST YOUR SKILLS

- Q1. In what form is the food energy stored in plants and animals?
- Q2. Name the blood vessel that carries blood away from heart to lungs for purification.
- Q3. What products are formed during respiration in our muscles when there is less oxygen?
- Q4. What are the two main functions of kidney?
- Q5. Name two organisms that breakdown the food outside the body and then absorb it.
- Q6. Draw a neat labelled diagram of open and closed stomata.
- Q7. What is the pH range in mouth, stomach, small intestine and liver?
- Q8. Explain the digestion in stomach.
- Q9. Why do fishes show single circulation?
- Q10. Differentiate between arteries and veins.
- Q11. Give the characteristics of any respiratory surface.

Solve Fr  
15 Questions

## Life - process .

### \* Very Short Answer Questions

[1 mark]

1. Which is the first enzyme to mix with food in the digestive tract?
2. What prevents backflow of blood inside the heart during contraction?
3. What causes movement of food inside alimentary canal?
4. What process in plants is known as transpiration?
5. What is the main toxic waste kidney filters from the blood?
6. What is peristalsis?

### \* Short Answer Questions-I

[2 marks]

7. What is the significance of emulsification of fats? [NCERT Exemplar]
8. Mention the components of the transport system in highly organised plants. State the functions of these components.
9. What are the functions of gastric glands present in the wall of the stomach? [NCERT Exemplar]
10. What is the function of the trachea? Why do its walls not collapse even when there is less air in it?
11. What will happen if diaphragm of a person gets ruptured in an accident?
12. Match Group (A) with Group (B)

Group (A)	Group (B)
(a) Autotrophic nutrition	(i) Leech
(b) Heterotrophic nutrition	(ii) Paramecium
(c) Parasitic nutrition	(iii) Deer
(d) Digestion in food vacuoles	(iv) Green Plant

[NCERT Exemplar]

13. Why is transpiration important for plants?

[NCERT Exemplar]

### \* Short Answer Questions-II

[3 marks]

14. Name the following:
  - (a) The process in plants that links light energy with chemical energy.
  - (b) Organism that can prepare their own food.
  - (c) The cell organelle where photosynthesis occurs.
  - (d) Cells that surround a stomatal pore.
  - (e) Organisms that cannot prepare their own food.
  - (f) An enzyme secreted from gastric glands in stomach that acts on proteins. [NCERT Exemplar]
15. How are the alveoli designed to maximise the exchange of gases?
16. What are the methods used by plants to get rid of excretory products?
17. Why is diffusion insufficient to meet the oxygen requirements of multicellular organisms like humans?

### Long Answer Questions

[5 marks]

18. Write down an account of composition of blood.
19. Which is the major nitrogenous waste product in human beings? How is it removed from the body?
20. Describe the alimentary canal of man. [NCERT Exemplar]