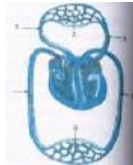


## Ch-6 Life Processes

1. How is 'respiration' different from 'breathing'? Explain the process of aerobic and anaerobic respiration.
  2. Answer the following –
    - a. Name the blood vessel that brings oxygenated blood to the human heart.
    - b. Which chamber of the heart received oxygenated blood?
    - c. Explain how is the oxygenated blood from this particular chamber sent to all the body parts.
  3. Explain the schematic representation of gaseous exchange in tissues.
  4. Compare the functioning of alveoli in the lungs and nephrons in the kidneys with respect to their structures and functioning?
  5. What is the significance of emulsification of fats?
  6. Why is the small intestine in herbivores larger than in carnivores?
  7. What is the advantage of a four chambered heart?
  8. Explain the process by which inhalation occurs during breathing in human beings?
  9. In human alimentary canal, name the site of complete digestion of various components of food. Explain the process of digestion.
  10. List in tabular form, three differences between arteries and veins.
  11. Answer the following –
    - a. "The breathing cycle is rhythmic whereas exchange of gases is a continuous process". Justify this statement.
    - b. What happens if conducting tubes of circulatory system develops a leak? State in brief, how could this be avoided?
    - c. How opening and closing of stomata takes place?
  12. Draw a diagram of the front view of human heart and label any six parts including at least two that are concerned with arterial blood supply to the heart muscles.
  13. Describe in brief the function of kidneys, ureters, urinary bladder and urethra.
  14. Explain the process of breakdown of glucose in a cell
    - a. in the presence of oxygen.
    - b. in the absence of oxygen.
  15. Answer the following –
    - a. Label any 4 parts in the given diagram.
    - b. What are the two functions represented in this diagram?
- 
16. What is double circulation in human beings? Why is it necessary?
  17. Answer the following –
    - a. Name the process by which autotrophs prepare their food.
    - b. List the three events which occur during this process.
    - c. State two sources from which plants obtain nitrogen for the synthesis of proteins and other compounds.
  18. Specify what is the role of bile juice in the process of digestion?
  19. Name the respiratory organ in fish and earthworm.

20. What is dialysis?
21. How is respiration in plants and respiration in animals different?
22. Draw the labeled diagram of the human digestive system.
23. Define excretion. What are the two organs in human beings that act as accessory excretory organs?
24. State the role of the following –
  - a. Chloroplasts
  - b. Diaphragm
  - c. Larynx
25. Give reasons for the following –
  - a. The glottis is guarded by epiglottis.
  - b. It is said to not speak while eating.
  - c. Walls of trachea are supported by cartilage rings.
26. Leaves of a potted plant were coated with wax to block the stomata. Will this plant remain alive and healthy for long? State three reasons for your answer.