

CBSE TEST PAPER-01

SCIENCE & TECHNOLOGY (Class-10)

Chapter 6 : Life Process

1. What are the raw materials for photosynthesis? (1 mark)
2. What is the role of bile juice in digestion? (1 mark)
3. Write the equation for respiration? (1 mark)
4. Name three types of blood vessels used in the transport of blood. (1 mark)
5. Name the artificial method for the removal of liquid nitrogenous waste from body? (1 mark)
6. Write any two points of difference respiration in plants and respiration in animals. (2 marks)
7. Draw the labelled diagram of the human respiratory system. (2 marks)
8. How are the alveoli designed to maximize the exchange of gases? (2 marks)
9. Amylase is secreted by two different glands. Name them. Write the action of amylase on food? (2 marks)
10. Name the passage in sequence through which urine passes from kidneys to the outside in humans. How is urine prevented from flowing back into the ureters? (2 marks)
11. State the role of the following in the human respiratory system
(i) Nasal cavity (ii) Diaphragm (iii) Alveoli (3 marks)
12. Give reasons for the following:
(i) The glottis is guarded by epiglottis.
(ii) The lung alveoli are covered with blood capillaries.
(iii) The wall of trachea is supported by cartilage rings. (3 marks)
13. Leaves of a healthy potted plant were coated with Vaseline to block the stomata. Will this plant remain healthy for long? State three reasons for your answer. (3 marks)
14. What are the differences between aerobic and anaerobic respiration? Name some organisms that use the anaerobic mode of respiration. (3 marks)
15. Describe double circulation in human beings. Why is it necessary? (3 marks)
16. (i) Name the blood vessel that brings oxygenated blood to the human heart. (5 marks)
(ii) Which chamber of human heart receives oxygenated blood?
(iii) Explain how oxygenated blood from this chamber is sent to all parts of the body.