

CLASS X- BIOLOGY
LIFE PROCESS- RESPIRATION

ASSIGNMENT-8

MULTIPLE CHOICE QUESTIONS 8.1

1. Breathing rate in mammals is controlled by a part of the brain called the
(A) thalamus (B) hypothalamus (C) medulla oblongata (D) cerebellum
2. In anaerobic respiration
(A) O₂ is taken in (B) CO₂ is taken in (C) O₂ is given out (D) CO₂ is given out
3. Disease called pleurisy is due to
(A) inflammation of pleura (B) inflammation of trachea
(C) inflammation of alveoli (D) none of these above
4. Leaves respire with the help of
(A) lenticels (B) stomata (C) plasmodesmata (D) cuticle
5. Correct statement is
(A) roots of plant respire through lenticels and stomata.
(B) stem of plant respire through lenticels
(C) both A and B are correct
(D) both A and B are incorrect
6. Which of the following is not a characteristic of good respiratory surface ?
(A) Thin and moist (B) Large surface area
(C) Close to oxygen and gas transport (D) Thick and dry surface
7. Respiration in yeast
(A) takes place in the presence of oxygen (B) yields lactic acid and carbon dioxide
(C) in anaerobic and produces carbon dioxide (D) takes place only in darkness
8. Muscle cells engaged in vigorous activity build up a high concentration of
(A) lactic acid (B) pyruvic acid (C) alcohol (D) cholesterol
9. Exchange of respiratory gases takes place in an earthworm through
(A) moist skin (B) gills (C) trachea (D) lungs
10. Oxygen is transported in blood mainly by
(A) leucocytes (B) erythrocytes (C) thrombocytes (D) blood plasma

SUBJECTIVE QUESTIONS

SHORT ANSWER TYPE QUESTIONS

1. Write any two points of difference between respiration in plants and respiration in animals.
2. What do you mean by fermentation ?
3. Describe the mode of respiration in an insect with a diagram.
4. What are the functions of respiratory system ?
5. Why do walls of trachea not collapse when there is less air in it ?

LONG ANSWER TYPE QUESTIONS

6. Write the differences between photosynthesis and respiration.
7. Explain the following in brief :
(a) Emphysema (b) Asthma (c) Pneumonia (d) Bronchitis
8. Describe the structure of lungs.
9. Explain in brief all the organs involved in respiratory system.
10. Explain in brief the cellular respiration.
11. Explain the process by which inhalation occurs during breathing in human beings.
12. A farmer floods his field every day thinking that watering in this manner will result in a better yield of his wheat crop. What will be the result of this action of the farmer ?
[C.B.S.E, All India 2019]
13. What is the function of epiglottis in man ? Draw labelled diagram showing the human respiratory system.
[All India C.B.S.E. -2018]
14. Distinguish between aerobic and anaerobic respiration in terms of end products and energy ?
[C.B.S.E. - 2018]