

Biology Worksheet Class X
Life Processes Respiration

I. Very Short Answer Questions

1. What is the main source of energy to our body?
2. Why do aquatic organisms breathe faster than terrestrial animals?
3. Name the respiratory pigment in human being. Where is this pigment found?
4. Mention the two steps in which glucose is broken down to release energy.
5. Mention the two types of respiration.
6. What happens to the rate of breathing during vigorous exercise and why?
7. Give two examples where anaerobic respiration takes place.
8. What is breathing?
9. Which gas is taken in during inspiration by animals?
10. What is respiratory organ of Rohu fish?

II. Short Answer Questions

1. Give the anaerobic and aerobic respiration reactions.
2. What is fermentation?
3. What is aerobic respiration? Give its reaction.
4. "Respiration is an exothermic reaction." Justify this statement giving the chemical equation for the reaction involved.
5. What is anaerobic respiration? Give its reaction.
6. Draw the structure of stomata and label it.
7. When a sportsman runs, he often gets muscle cramps. Why?
8. How are alveoli designed to maximize exchange of gases?
9. How does inspiration or inhalation process take place in human beings?
10. How does guard cells regulate opening and closing of stomatal pores.

III. Long Answer Questions

1. Why do we get cramps during vigorous muscular activities? Explain the aerobic breakdown of glucose with the help of a schematic diagram.
2. Describe the process of exchange of gases in tissues with the suitable diagram.
3. How does oxygen and carbon dioxide transported in human being?
4. Describe the respiration in different parts of plant.