

Bioenergetics

| Sr | Questions | Answers Choice |
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| 1 | Which of the following is not a product of the light-dependent reactions of photosynthesis. | A. ATP B. Glucose C. NADPH D. Oxygen |
| 2 | In which component of leaf cells chlorophyll is present. | A. Stroma B. Plasma membrane C. Cytoplasm D. Thylakoid |
| 3 | A child left a carton on the lawn for two days, When the carton was picked up, the grass under it had turned yellow. What caused the grass to change colour. | A. Lack of oxygen B. Lack of water C. Lack of light D. Lack of carbon dioxide |
| 4 | Which of the following processes is used by plants to make oxygen during the process of photosynthesis. | A. Intake of CO ₂ B. Intake of water C. Photolysis of water D. Calvin cycle |
| 5 | What are the products of light reactions in photosynthesis. | A. ATP, NADPH and oxygen B. ATP and NADP C. ATP, PGA and oxygen D. PGA and oxygen |
| 6 | The mechanism of ATP synthesis is | A. Respiration B. Glucose C. Phosphorylation D. Photosynthesis |
| 7 | There areP-bonds in an ATP molecule | A. Two B. Nine C. Six D. Four |
| 8 | The major energy currency of all cells is | A. ATP B. ADP C. AMP D. P-bonds |
| 9 | What is a common byproduct of anaerobic respiration in animal cells. | A. Oxygen B. Water C. Lactic Acid D. Carbon Dioxide |
| 10 | How many ATP molecules are produced from one glucose molecule during anaerobic respiration. | A. 2 B. 4 C. 12 D. 36 |
| 11 | In yeast cells, anaerobic respiration leads to the production of. | A. Ethanol B. Lactic acid C. Acetic acid D. Glucose |
| 12 | Which process in aerobic respiration produces the most ATP. | A. Glycolysis B. Fermentation C. Krebs cycle D. Electron transport chain |