

Bioenergetics

Sr	Questions	Answers Choice
1	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
2	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
3	Which process in aerobic respiration produces the most ATP.	A. Glycolysis B. Fermentation C. Krebs cycle D. Electron transport chain
4	The mechanism of ATP synthesis is	A. Respiration B. Glucose C. Phosphorylation D. Photosynthesis
5	Where does the Krebs cycle occur in a cell	A. Nucleus B. Ribosome C. Chlorophyll D. Mitochondria
6	In which component of leaf cells chlorophyll is present.	A. Stroma B. Plasma membrane C. Cytoplasm D. Thylakoid
7	The major energy currency of all cells is	A. ATP B. ADP C. AMP D. P-bonds
8	When we get energy from ATP, which bonds are broken.	A. P-P bonds B. C-N bonds C. C-H bonds D. C-O bonds
9	How many ATP molecules are produced from one glucose molecule during anaerobic respiration.	A. 2 B. 4 C. 12 D. 36
10	Lactic acid fermentation occurs in .	A. Protozoans B. Aerobes C. Yeasts D. Skeletal muscles of humans
11	In which part of the chloroplast does the light-dependent reaction occur.	A. Stroma B. Outer membrane C. Thylakoid membrane D. Matrix
12	When yeast ferments glucose, the products are.	A. Alcohol and CO ₂ B. Alcohol and water C. Lactic acid D. CO ₂ and H ₂ O
13	In which part of the plant cell does photosynthesis occur.	A. Mitochondria B. Nucleus C. Chloroplast D. Ribosome
14	After strenuous exercise you get tired because skeletal muscles accumulate.	A. Ethyl alcohol B. Lactic Acid and CO ₂ C. Lactic acid only D. Ethyl alcohol and CO ₂
15	In aerobic respiration pyruvic acid changes to.	A. Glucose B. Acetyl CoA C. Fructose D. Citric Acid

16	Glycolysis is the breakdown of	A. Glucose B. Maltose C. Lactose D. Fructose
17	Which of the following is not a product of the light-dependent reactions of photosynthesis.	A. ATP B. Glucose C. NADPH D. Oxygen
18	In which part of the plant cell does photosynthesis occur.	A. Mitochondria B. Nucleus C. Chloroplast D. NADPH
19	Alcoholic fermentation occurs in	A. Bacteria B. Man C. Yeast D. Bacterial and yeast
20	Which of these uses oxygen as the final acceptor.	A. Krebs cycle B. Glycolysis C. Electron transport chain D. Photosynthesis.