

Bioenergetics

Sr	Questions	Answers Choice
1	Which of these uses oxygen as the final acceptor.	A. Krebs cycle B. Glycolysis C. Electron transport chain D. Photosynthesis.
2	Which of these can enter into Krebs cycle.	A. Acetyl CoA B. Pyruvic acid C. Glucose D. Citric Acid
3	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
4	In which component of leaf cells chlorophyll is present.	A. Stroma B. Plasma membrane C. Cytoplasm D. Thylakoid
5	Lactic acid fermentation occurs in .	A. Protozoans B. Aerobes C. Yeasts D. Skeletal muscles of humans
6	The mechanism of ATP synthesis is	A. Respiration B. Glucose C. Phosphorylation D. Photosynthesis
7	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
8	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
9	In which part of the plant cell does photosynthesis occur.	A. Mitochondria B. Nucleus C. Chloroplast D. NADPH
10	Which molecule donates electrons in the light-dependent reactions of photosynthesis.	A. Water B. Oxygen C. Carbon dioxide D. NADPH
11	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
12	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
13	Which of the following is not a product of the light-dependent reactions of photosynthesis.	A. ATP B. Glucose C. NADPH D. Oxygen
14	Glycolysis is the breakdown of	A. Glucose B. Maltose C. Lactose D. Fructose
15	In yeast cells, anaerobic respiration leads to the production of.	A. Ethanol B. Lactic acid C. Acetic acid D. Glucose

16	Alocolic fermentation occurs in	A. Bacteria B. Man C. Yeast D. Bacterial and yeast
17	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
18	Which type of chlorophyll is most common in plants.	A. Chlorophyll c B. Chlorophyll b C. Chlorophyll a D. Chlorophyll d
19	In aerobic respiration pyruvic acid changes to.	A. Glucose B. Acetyl CoA C. Fructose D. Citric Acid
20	What is a common byproduct of anaerobic respiration in animal cells.	A. Oxygen B. Water C. Lactic Acid D. Carbon Dioxide
