

Bioenergetics

Sr	Questions	Answers Choice
1	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
2	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
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 these uses oxygen as the final acceptor.	A. Krebs cycle B. Glycolysis C. Electron transport chain D. Photosynthesis.
5	Which of the following is not a product of the light-dependent reactions of photosynthesis.	A. ATP B. Glucose C. NADPH D. Oxygen
6	Glycolysis is the breakdown of	A. Glucose B. Maltose C. Lactose D. Fructose
7	How many ATP molecules are produced from one glucose molecule during anaerobic respiration.	A. 2 B. 4 C. 12 D. 36
8	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
9	Alcoholic fermentation occurs in	A. Bacteria B. Man C. Yeast D. Bacterial and yeast
10	In yeast cells, anaerobic respiration leads to the production of.	A. Ethanol B. Lactic acid C. Acetic acid D. Glucose
11	There areP-bonds in an ATP molecule	A. Two B. Nine C. Six D. Four
12	Which type of chlorophyll is most common in plants.	A. Chlorophyll c B. Chlorophyll b C. Chlorophyll a D. Chlorophyll d
13	Which process in aerobic respiration produces the most ATP.	A. Glycolysis B. Fermentation C. Krebs cycle D. Electron transport chain
14	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
15	The major energy currency of all cells is	A. ATP B. ADP C. AMP D. P-bonds

16 Which of these produces carbon dioxide.

A. Elecron transport chain
B. Krebs cycle
C. Glycolysis
D. Phytosynthesis

17 Which of these can enter into Krebs cycle.

A. Acetyl CoA
B. Pyruvic acid
C. Glucose
D. Citric Acid

18 Lactic acid fermention occurs in .

A. Protozoans
B. Aerobes
C. Yeasts
D. Skeletal muscles of humans

19 The mechanism of ATP synthesis is

A. Respiration
B. Glucose
C. Phosphorlation
D. Photosynthesis

20 Where does the Krebs cycle occur in a cell

A. Nucleus
B. Ribosome
C. Chlorphyll
D. Mitochndira
