

Bioenergetics

Sr	Questions	Answers Choice
1	Which of these produces carbon dioxide.	A. Electron transport chain B. Krebs cycle C. Glycolysis D. Photosynthesis
2	What is a common byproduct of anaerobic respiration in animal cells.	A. Oxygen B. Water C. Lactic Acid D. Carbon Dioxide
3	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
4	In aerobic respiration pyruvic acid changes to.	A. Glucose B. Acetyl CoA C. Fructose D. Citric Acid
5	Alcoholic fermentation occurs in	A. Bacteria B. Man C. Yeast D. Bacterial and yeast
6	In which part of the plant cell does photosynthesis occur.	A. Mitochondria B. Nucleus C. Chloroplast D. Ribosome
7	Glycolysis is the breakdown of	A. Glucose B. Maltose C. Lactose D. Fructose
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	Where does the Krebs cycle occur in a cell	A. Nucleus B. Ribosome C. Chlorophyll D. Mitochondria
10	Which of these can enter into Krebs cycle.	A. Acetyl CoA B. Pyruvic acid C. Glucose D. Citric Acid
11	Lactic acid fermentation occurs in .	A. Protozoans B. Aerobes C. Yeasts D. Skeletal muscles of humans
12	Which molecule donates electrons in the light-dependent reactions of photosynthesis.	A. Water B. Oxygen C. Carbon dioxide D. NADPH
13	End product of glycolysis is.	A. CO ₂ +ATP B. 2 pyruvic acids +2ATP+2NDADPH C. CO ₂ D. CO ₂ +ATP+NADPH
14	The major energy currency of all cells is	A. ATP B. ADP C. AMP D. P-bonds
15	The mechanism of ATP synthesis is	A. Respiration B. Glucose C. Phosphorylation D. Photosynthesis

16	Which of these uses oxygen as the final acceptor.	A. Krebs cycle B. Glycolysis C. Electron transport chain D. Photosynthesis.
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 component of leaf cells chlorophyll is present.	A. Stroma B. Plasma membrane C. Cytoplasm D. Thylakoid
19	Where does the reaction of photosynthesis take place.	A. Ribosomes B. Mitochondria C. Cytoplasm D. Chloroplast
20	In which part of the plant cell does photosynthesis occur.	A. Mitochondria B. Nucleus C. Chloroplast D. NADPH
