

MDCAT Biology Chapter 6 MCQ's Test

Sr	Questions	Answers Choice
1	Cytochrome b is oxidized by ____ in respiratory chain	A. Coenzyme Q B. Cytochrome c C. Cytochrome a D. Oxygen
2	In Krebs cycle hydration occurs during the conversion of	A. Citrate into isocitrate B. Malate into fumarate C. Citrate into malate D. Fumarate into malate
3	Which of the following oxidizes malate to oxaloacetate in kreb's cycle?	A. ATP B. NADP+ C. NAD+ D. FAD
4	Light absorbing part of chlorophyll is	A. Phytol B. Magnesium C. Pyrrole D. Porphyrin
5	How many molecules of ATP would be utilized for phosphorylation of one glucose molecule during glycolysis?	A. Five B. Four C. Three D. Two
6	Splitting of water in sunlight is called	A. Lysis B. Photolysis C. Condensation D. Hydrolysis
7	The final acceptor of electrons in respiratory chain is	A. Cyt. a B. Cyt. a3 C. Water D. Oxygen
8	When equal intensities of light are given, photosynthesis is maximum in ____ part	A. Blue B. Orange C. Red D. Violet
9	In this process a carbon dioxide molecule is released	A. Lactic acid fermentation B. Alcoholic fermentation C. Glycolysis D. Hydrolysis of glycogen
10	The site for oxidative phosphorylation in mitochondria	A. Mitochondrial matrix B. Outer compartment C. F1 particles D. Cristae
11	In glycolysis 2PG is converted to PEP by	A. Dehydration B. Decarboxylation C. Phosphorylation D. Oxidation
12	PEP is converted to ____ by removal of phosphate	A. Enol pyruvate B. Pyruvate C. Glyceraldehyde D. 3PG
13	Iron containing proteins which act as carriers in ETC	A. Plastoquinine B. Cyt. complex C. Plastocyanin D. None
14	In this process pyruvic acid is not used as substrate	A. Alcoholic fermentation B. Calvin cycle C. Aerobic respiration D. Lactic acid fermentation

15	How many NADPH are required for the synthesis of one molecule of glucose	A. 3 B. 6 C. 12 D. 18
16	Pick up the correct one related to tail of chlorophyll	A. Hydrophilic B. Light absorbing C. Porphyrin D. Hydrophobic
17	In a respiratory chain, each NADH produce ____ATPs	A. 1 B. 2 C. 3 D. 4
18	First step of preparatory phase of glycolysis is	A. Dehydration B. Decarboxylation C. Phosphorylation D. Oxidation
19	Final acceptor of electrons in non cyclic phosphorylation is	A. Cyt. Complex B. ATP C. Photosytem I D. NADP
20	Which of the following is incorrect about action spectrum	A. It tells effectiveness of light B. Valley is broad C. Peaks are broad D. It is indicated by consumption of CO ₂