

MDCAT Biology Chapter 2 Bio-energetic Online Test

Sr	Questions	Answers Choice
1	In this process pyruvic acid is not used as substrate	A. Alcoholic fermentation B. Calvin cycle C. Aerobic respiration D. Lactic acid fermentation
2	In this process a carbon dioxide molecule is released	A. Lactic acid fermentation B. Alcoholic fermentation C. Glycolysis D. Hydrolysis of glycogen
3	Fermentation is	A. Incomplete oxidation of proteins B. Complete oxidation of carbohydrates C. Aerobic respiration D. Incomplete oxidation of carbohydrates
4	Components of respiratory electron transport chain are	A. 2 B. 3 C. 4 D. 5
5	The site for oxidative phosphorylation in mitochondria	A. Mitochondrial matrix B. Outer compartment C. F1 particles D. Cristae
6	Cytochrome b is oxidized by ____ in respiratory chain	A. Coenzyme Q B. Cytochrome c C. Cytochrome a D. Oxygen
7	Number of ATPs produced by aerobic respiration in bacteria	A. 38 B. 36 C. 34 D. 32
8	In a respiratory chain, each NADH produce ____ATPs	A. 1 B. 2 C. 3 D. 4
9	The final acceptor of electrons in respiratory chain is	A. Cyt. a B. Cyt. a ₃ C. Water D. Oxygen
10	Most of the energy in the cell is liberated by oxidation of carbohydrates when	A. Glucose is converted into alcohol and CO ₂ B. Sugar is converted into pyruvic acid C. Pyruvic acid is converted into CO ₂ and H ₂ O D. Pyruvic acid is converted into CoA