Energetics

Sr	Questions	Answers Choice
1	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
2	Which is released in anacrobic respiration.	A. Stearic acid B. Citric acid C. Lactic acid D. Amino Acid
3	Bond formation energy of one O-H bond is.....	A. 488 kJ/mol B. 484 kJ/mol C. 486 kJ/mol D. 489 kJ/mol
4	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
5	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ
6	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
7	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6 D. 8
8	If the Delta H value is negative then reaction witll be	A. Endotermic B. Exothermic C. May or may not be exothermic or endothermic D. None of these
9	Bond dissociation for O2 is	A. 505 kJ/mol B. 705 kJ/mol C. 605 kJ/mol D. 498 kJ/mol
10	No reaction occurs if the energy of reacting particles.....activation energy.	A. Lower than B. Greather than C. Nearest to D. Equal to
11	Aerobic respiration releases.....energy than anaerobic respiration.	A. Equal B. Less C. More D. None of these
12	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
13	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
14	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
15	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release

		D. None of these
16	----------acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
17	Washing clothes at 140 ^{O}F uses almost the energy as at 140 ^{O}F wash	A. Half B. Thrice C. Twice D. None of the above
18	The enthalpy of reaction 2H2 +O2-----2H2O	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
19	When NaOH and HCl are mixed the temperature increases. The reaction	A. Exothermic with a negative enthalpy chagne. B. Endothermic with a positive enthaly change. C. Endothermic with a negatie enthalpy change D. Exothermic with a positive enthealpy change
20	Activation energy of a chemical reaction must be..... the everage kinetic energy of reacting molecules.	A. Equal to B. Grether than C. Lower than D. None of these