Energetics

Sr	Questions	Answers Choice
1	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6 D. 8
2	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ
3	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
4	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
5	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
6	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
7	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
8	Bond dissociation for O2 is	A. 505 kJ/mol B. 705 kJ/mol C. 605 kJ/mol D. 498 kJ/mol
9	The enthalpy of reaction 2H2 +O2-----2H2O	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
10	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
11	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802
12	Aerobic respiration releases.....energy than anaerobic respiration.	A. Equal B. Less C. More 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	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
15	No reaction occurs if the energy of reacting particles.....activation energy.	A. Lower than B. Greather than C. Nearest to

		D. Equal to
16	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
17	The part of the universe that we want to focus our attention called.	A. Surrounding B. Energy C. System D. Both a and b
18	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
19	----------acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
20	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release D. None of these