Energetics

Sr	Questions	Answers Choice
1	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ
2	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
3	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
4	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
5	Who use the word energy for the 1st time	A. Rutherford B. Bohr C. Thomas Young D. None of these
6	The enthalpy of reaction 2H2 +O2-----2H2O	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
7	The part of the universe that we want to focus our attention called.	A. Surrounding B. Energy C. System D. Both a and b
8	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
9	The enthalpy of reaction C+O2 ------ CO2	A. -571.6 kJ B. -393.5 kJ C. +53.8 kJ D. -110.5 kJ
10	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
11	No reaction occurs if the energy of reacting particles.....activation energy.	A. Lower than B. Greather than C. Nearest to D. Equal to
12	Aerobic respiration releases.....energy than anaerobic respiration.	A. Equal B. Less C. More D. None of these
13	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
14	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
15	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6

		D. 8
16	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release D. None of these
17	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
18	----------acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
19	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
20	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%