Energetics

Sr	Questions	Answers Choice
1	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
2	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
3	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ
4	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
5	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release 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	Who use the word energy for the 1st time	A. Rutherford B. Bohr C. Thomas Young D. None of these
8	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6 D. 8
9	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
10	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
11	----------acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
12	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
13	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
14	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802
15	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes

		D. All of these
16	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
17	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
18	The enthalpy of reaction $2H_2 + O_2 \text{-----} 2H_2O$	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
19	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
20	The enthalpy of reaction $C + O_2$ ------ CO_2	A. -571.6 kJ B. -393.5 kJ C. +53.8 kJ D. -110.5 kJ