Energetics

Sr	Questions	Answers Choice
1	The enthalpy of reaction 2H2 +O2-----2H2O	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
2	The part of the universe that we want to focus our attention called.	A. Surrounding B. Energy C. System D. Both a and b
3	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
4	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
5	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
6	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
7	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
8	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
9	Aerobic respiration releases.....energy than anaerobic respiration.	A. Equal B. Less C. More D. None of these
10	Bond dissociation for O2 is	A. 505 kJ/mol B. 705 kJ/mol C. 605 kJ/mol D. 498 kJ/mol
11	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802
12	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
13	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
14	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ
15	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
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	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
18	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
19	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release D. None of these
20	Who use the word energy for the 1st time	A. Rutherford B. Bohr C. Thomas Young D. None of these