Energetics

Sr	Questions	Answers Choice
1	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
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	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
4	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802
5	Which is released in anacrobic respiration.	A. Stearic acid B. Citric acid C. Lactic acid D. Amino Acid
6	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
7	The enthalpy of reaction C+O2 ------ CO2	A. -571.6 kJ B. -393.5 kJ C. +53.8 kJ D. -110.5 kJ
8	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ
9	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
10	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
11	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
12	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
13	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6 D. 8
14	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy

15	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
16	Aerobic respiration releases.....energy than anaerobic respiration.	A. Equal B. Less C. More D. None of these
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	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
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