Energetics

Sr	Questions	Answers Choice
1	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
2	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
3	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
4	----------acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
5	Which is released in anacrobic respiration.	A. Stearic acid B. Citric acid C. Lactic acid D. Amino Acid
6	The enthalpy of reaction C+O2 ------ CO2	A. -571.6 kJ B. -393.5 kJ C. +53.8 kJ D. -110.5 kJ
7	Bond dissociation for O2 is	A. 505 kJ/mol B. 705 kJ/mol C. 605 kJ/mol D. 498 kJ/mol
8	The part of the universe that we want to focus our attention called.	A. Surrounding B. Energy C. System D. Both a and b
9	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6 D. 8
10	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release D. None of these
11	The enthalpy of reaction 2H2 +O2-----2H2O	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
12	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
13	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
14	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802

15	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
16	---------- acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. Cl2 D. None
17	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
18	Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
19	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
20	The enthalpy of reaction H2+I2--- 2HI	A. -571.6 k J B. +53.8 kJ C. 11 kJ D. -393.5 kJ