Energetics

Sr	Questions	Answers Choice
1	The enthalpy of reaction C+O2 ------ CO2	A. -571.6 kJ B. -393.5 kJ C. +53.8 kJ D. -110.5 kJ
2	Formation of NO is	A. Exothrmic B. Endothermic C. No Heat Change D. None of these
3	The part of the universe that we want to focus our attention called.	A. Surrounding B. Energy C. System D. Both a and b
4	The enthalpy of reaction 2H2 +O2-----2H2O	A. -571.6 kJ B. -110.5 kJ C. -393.5 kJ D. +53.8 kJ
5	---------- of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
6	Aerobic respiration releases.....energy than anaerobic respiration.	A. Equal B. Less C. More D. None of these
7	----------acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
8	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
9	Bond dissociation for O2 is	A. 505 kJ/mol B. 705 kJ/mol C. 605 kJ/mol D. 498 kJ/mol
10	During the glycolysis net ATP produced are.	A. 2 B. 4 C. 6 D. 8
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	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
13	When old bonds are broken, the energy is.	A. Release B. Remain same C. Consume D. None of these
14	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release D. None of these

15	All chemical reaction involves.	A. Enzymes B. Catalyst C. Energy changes D. All of these
16	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802
17	Who use the word energy for the 1st time	A. Rutherford B. Bohr C. Thomas Young D. None of these
18	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
19	Which is released in anacrobic respiration.	A. Stearic acid B. Citric acid C. Lactic acid D. Amino Acid
20	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