

## Energetics

Sr	Questions	Answers Choice
1	When new bonds ae formed, the energy is	A. Consume B. Remain same C. Release D. None of these
2	The word energy is used in physics ofr the firt time.	A. 1902 B. 1858 C. 1805 D. 1802
3	Aerobic respiration releasesenergy than anaerobic respiration.	A. Equal B. Less C. More D. None of these
4	The part of the universe that we want to focus our attention called.	A. Surrounding B. Energy C. System D. Both a and b
5	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
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	No reaction occurs if the energy of reacting particlesactivation energy.	A. Lower than B. Greather than C. Nearest to D. Equal to
8	The enthalpy of reaction C+O2 CO2	A571.6 kJ B393.5 kJ C. +53.8 kJ D110.5 kJ
9	Bond dissocialation for H2 is	A. 435 kJ/mol B. 440 kJ/mol C. 430 kJ/mol D. 445 kJ/mol
10	acts are reserve energy sources.	A. Enzymes B. Vitamins C. Proteins D. Lipids
11	of the energy used by traditional electric bulb is wasted in producing heat.	A. 60% B. 50% C. 70% D. 90%
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	The enthalpy of reaction 2H2 +O22H2O	A571.6 kJ B110.5 kJ C393.5 kJ D. +53.8 kJ
14	acts a catalyst promoting the breakdown of ozone.	A. I2 B. Br2 C. CI2 D. None
15	Which is released in anacrobic respiration.	A. Stearic acid B. Citric acid C. Lactic acid

	D. Amino Acid
Washing clothes at 140 <sup>o</sup> F uses almost the energy as at 140 <sup>o</sup> F wash	A. Half B. Thrice C. Twice D. None of the above
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
Which is not produced in an aerobic respiration.	A. Carbon dioxide B. Lactic acid C. Water D. Energy
Formation of NO is	<ul><li>A. Exothrmic</li><li>B. Endothermic</li><li>C. No Heat Change</li><li>D. None of these</li></ul>
Who use the word energy for the 1st time	A. Rutherford B. Bohr C. Thomas Young D. None of these
	When NaOH and HCl are mixed the temperature increases. The reaction  Which is not produced in an aerobic respiration.