

Chemistry Fsc Part 1 Chapter 7 Online Test

Sr	Questions	Answers Choice
1	Born Haber cycle is used to determine the	A. Lattice energy B. Enthalpy of formation C. Enthalpy of ionization D. Enthalpy of dissociation
2	Which one of the following enthalpies is always an exothermic process.	A. Enthalpy of atomization B. Enthalpy of neutralization C. Enthalpy of ionization D. Enthalpy of dissociation
3	The enthalpy of combustion is	A. Positive B. Negative C. Either positive or negative D. No correlation
4	The heat contents of the system of known as.	A. Entropy B. Enthalpy C. Work D. Free energy
5	Standard enthalpy change when one mole of compound is formed from their elements at standard state is.	A. Heat of formation B. Standard heat of formation C. Heat of combustion D. Standard Heat of neutralization
6	The standard heat of formation is measured at 1 atmosphere and	A. 0 ^o /sup>C B. 100 ^o /sup>C C. 293 ^o /sup>C D. 25 ^o /sup>C
7	Standard enthalpy of combustion of carbon is -394 kJ mol ⁻¹ than, which is the standard enthalpy of formation of CO ₂	A. +394 kJ B. -394 kJ C. 0 kJ D. +197 kJ
8	Which is not is state function	A. Enthalpy B. Entropy C. Pressure D. work
9	Which substance have $\Delta E = \Delta H$ and no pressure - volume work.	A. Liquids only B. Solids only C. Gases only D. Liquids and solids
10	The sum of all kinds of energies of atoms, ions or molecules of a system is known as.	A. Kinetic energy B. Potential energy C. Internal energy D. Solar energy
11	Which process is endothermic and spontaneous	A. Neutralization of NaOH with HCl B. Formation of NH ₃ from H ₂ and N ₂ C. Formation of H ₂ O from H ₂ and O ₂ D. Evaporation of sea water
12	Spontaneous processes are mostly	A. Reversible B. Irreversible C. Not irreversible D. None of these
13	Which of the following value of heat of formation indicates that the product is least stable.	A. -94 KJ B. -231.6 KJ C. +21.4 KJ D. +70 KJ
14	the value of ΔH and ΔE for liquids and solids is almost same because.	A. No change in temperature B. Heat absorbed C. No change in volume D. Heat evolved
15	Which one of the following process is endothermic	A. condensation of steam B. Freezing of water C. electrolysis of water D. None of these

16	A chemical change always involve	A. Absorption of heat B. Evolution of heat C. Either absorption or evolution of heat D. The liberation of heat and light energy
17	The optimum temperature for the synthesis of NH_3 by Haber's process is.	A. 200 °C B. 300 °C C. 400 °C D. 500 °C