

ECAT Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The structure of complex hydrides is	A. Tetrahedral B. Trigonal C. Octahedral D. Square planar
2	Ozone layer of stratosphere requires protection from indiscriminate use of	A. Fungicides, insecticides, bactericides and medicines B. Aerosols and high flying jets C. Atomic explosions and industrial wastes D. Balloons and turbo-prop aeroplanes
3	The sample being analyzed is called:	A. Electrolyte B. Residue C. Undue D. Filtrate
4	The number of moles of CO ₂ which contain 8.0 g of oxygen	A. 0.25 B. 0.50 C. 1.0 D. 1.50
5	A reaction in which an atom or a group of atoms replaces an atom or a group of atoms in the molecule of a substance is known as	A. Addition reaction B. Condensation reaction C. Elimination reaction D. Substitution reaction
6	Which statement explains the observation that magnesium hydroxide dissolve in aqueous ammonium chloride, but not in aqueous sodium chloride	A. The ionic radius of the NH ₄ ⁺ ion is similar to that of Mg ²⁺ but not that of Na ⁺ B. NH ₄ Cl dissociates less fully than NaCl C. The ions Na ⁺ and Mg ²⁺ are isoelectronic (have the same number of electrons) D. The ion NH ₄ ⁺ acts as an acid
7	Question Image 	A. The value of K _p falls with rise in temperature B. The value of K _p falls with increasing pressure C. Addition of V ₂ O ₅ catalyst increase the concentration of SO ₃ D. The value of K _p is equal to K _c
8	The rate of S _N 2 reaction depends upon the	A. Concentration of alkyl halides B. Concentration of nucleophile C. Concentration of alkyl halides and nucleophile D. None of the above
9	The difference between amount of heat actually released and that of calculated is called	A. Bonding energy B. Activation energy C. Resonance energy D. Transition energy
10	Ethylene reacts with 1% cold alkaline KMnO ₄ to give	A. Oxalic acid B. Acetone C. Ethylene glycol D. Formaldehyde
11	The order of reactivity of halogen acids for reaction with C ₂ H ₅ OH is	A. HCl > HBr > HI B. HI > HBr > HCl C. HBr > HI > HCl D. HBr > HCl > HI
12	For which mechanisms, the first step involved is the same:	A. E ₁ and E ₂ B. E ₂ and S _N 2 C. E ₂ and E ₁ D. E ₁ and S _N 2

