

ECAT Chemistry Online Test

Sr	Questions	Answers Choice
1	While balancing an equation by ion electron method, the number of oxygen atoms are balanced by	A. OH ⁻ B. H ₂ O C. O ₂ D. H ⁺
2	The sun of all the energies of atoms, molecule, ion, within system is called	A. Enthalpy B. K.E. of the system C. Internal energy D. None
3	The molecule of ethane possess which hybrization	A. sp ³ B. sp ² C. sp D. sp ² d
4	Which of the following aqueous solutions have the lowest freezing point	A. 5.85% NaCl B. 6% urea C. 34.2 sucrose D. All of them have same freezing points
5	Which of the following isoelectronic ions has the lowest ionization energy?	A. K ⁺ B. Ca ²⁺ C. C ⁻ D. S ²⁻
6	Transition elements are called so because:	A. Form interstital sompounds B. have high m.p C. In between 's' and' 'p' block elements D. All of these
7	To get DDT, chlorobenzene has to react with one of the following compound in the presence of conc.H ₂ SO ₄	A. Trichloroethane B. Dichloroacetone C. Dichloroacetaldehyde D. Trichloroacetealdehyde
8	The most distinctive character among the elements is their division into	A. Metals and non-metals B. Solids, liquids and gases C. Atoms and molecules D. Active and inactive elements
9	Which of the followings is not a nulceophile	A. OH ⁻ B. NH ₃ C. C ₂ H ₅ O ⁻ D. Br ₂
10	Which one of the following metal ions is colourless?	A. V ²⁺ B. Cr ³⁺ C. Zn ²⁺ D. Ti ³⁺
11	acetylene can be converted into-while passing through a Cu-tube at 300°C:	A. Glyoxal B. Vinyl acetylene C. Vinyl alcohol D. Benzene
12	How much of NaOH is required to neutralize 1500 cm ³ of 0.1 N HCI?	A. 60 g B. 6 g C. 4 g D. 40 g
13	The electron affinity of chlorine may be represented by the equation	
14	Question Image	A. Acidic amino acid B. Basic amino acid C. Neutral amino acid D. None of these
15	Question Image	A. Step 1 Step 2 <div>HCI HCN</div> B. HcN,NaCH H ₂ SO ₄ C. H ₂ SO ₄ K ₂ C _{O₇H+sub>2} SO ₄

16	Baking powder has which one of the following formula	A. Na ₂ CU ₃ B. Na ₂ SO ₄ C. NaHCO ₃ D. K ₂ CO ₃
17	The unit of specific conductivity is	A. Ohm cm ⁻¹ B. Ohm cm ⁻² C. Ohm ⁻¹ cm D. Ohm ⁻¹ cm
18	Etherification is catalyzed by	A. Acids B. Gases C. Salts D. None of the these
19	Bronze is an alloy of Cu and	A. Zn B. As C. Sb D. Sn
20	Two different hydrocarbon each contain the same percentage by mass of hydrogen. It follows that they have the same	A. Empirical formula B. Number of atoms in a molecules C. Number of isomers D. Relative molecular mass