

ECAT Chemistry Online Test

| Sr | Questions | Answers Choice |
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| 1 | How many cm ³ of 1 M H ₂ SO ₄ required to neutralize 10 cm ³ of 1 M NaOH | A. 2 cm ³ B. 2.5 cm ³ C. 5 cm ³ D. 10 cm ³ |
| 2 | Sulphuric acid has great affinity for water because | A. It hydrolyses the acid B. It decomposes the acid C. Acid forms hydrates with water D. Acid decomposes water |
| 3 | Which technique is used to determine the absorption of radiations? | A. Dilatometer method <o:p></o:p> B. Optical rotation method <o:p></o:p> C. Spectrometry <o:p></o:p> D. Refractometric method <o:p></o:p> |
| 4 | The reactivity order of alkyl halides for a particular alkyl group is: | A. F >Cl>Br>I B. Cl>Br>F>I C. l>Br>Cl>F D. Br>l>Cl>F |
| 5 | The weight of pure NaOH required to prepare 250 cm ³ of 0.1 N solution is | A. 4 g B. 1 g C. 2 g D. 5 g |
| 6 | What is going to replace the petroleum? | A. Silica B. Silicates C. Silicones D. Silicon |
| 7 | The stroids of fungi and yeast and yeast are called: | A. Vitamin D B. Vitamin D ₂ C. Ergostrol D. Cholestrol |
| 8 | In water the most important oxidizing agent is dissolved molecular oxygen which ranges from | A. 2 - 4 ppm B. 4 - 6 ppm C. 2 - 5 ppm D. 4 - 8 ppm |
| 9 | Which of the following with aqueous KOH will give acetaldehyde? | A. 1, 2-Dichloroethane B. 1,1-Dichloroethane C. Chloracetic acid D. Ethyl chloride |
| 10 | Mark the correct statement | A. Na ⁺ is smaller than Na atom B. Na ⁺ is larger than Na atom C. Cl ⁻ is the smaller than Cl atom D. Cl ⁻ (ion) and Cl (atom) are equal in size |
| 11 | The fourteen elements following actinium are known as | A. Lanthanones B. Lanthanides C. Rare earths D. Actinides |
| 12 | Hybridized in carbon is: | A. sp B. sp ² C. sp ³ D. d ² sp |
| 13 | For which system does the equilibrium constant. K _C has units of | |
| 14 | Chloroflurocarbon releases a chemical harmful to ozone | A. Fluorine B. Chlorine C. Nitrogen peroxide |

| | D. Sulphure dioxdie |
|---|---|
| Azeotropic mixture of HCl and water has | A. 48% HCI B. 22.2% HCI C. 36% HCI D. 20.2% HCI |
| Which metal is used for catalytic hydrogenation of oils | A. Cu B. Pt C. Ni D. Pd |
| Question Image | |
| Among the nitrogen containing fertilizer, the one with about 82% nitrogen content is | A. Ammonium nitrate B. Ammonia C. Ammonium phosphate D. Ammonium sulphate |
| The oxidation state of an element is zero when | A. It forms an oxide B. It forms hydride C. It is in free state D. Only for noble gases |
| The period table contains elements in vertical column, these vertical column are called | A. Groups B. Periods C. Blocks |