

Chemistry General Science Test Hard Mode

| Sr | Questions | Answers Choice |
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| 1 | Isopropyl alcohol on oxidation forms | A. Acetone B. Ether C. Ethylene D. Acetaldehyde |
| 2 | 2 g oxygen contains number of atoms equal to that in | A. 0.5 g of hydrogen B. 4 g of sulphur C. 7 g of nitrogen D. 2.3 g of sodium |
| 3 | The dimension of rate constant of a second order reaction involves | A. Neither time nor concentration B. Only time C. Time and concentration D. Time and square of concentration |
| 4 | Salol is prepared from | A. Salicylic acid and phenol B. Salicylic acid and methyl alcohol C. Both D. None |
| 5 | The maximum number of electrons in a subshell for which $l = 3$ is | A. 14 B. 10 C. 8 D. 4 |
| 6 | Dilute hydrochloric acid solution cannot be concentrated by boiling beyond | A. 11% B. 33% C. 44% D. 22% |
| 7 | Which of the following is a colligative property? | A. Melting point B. Osmotic pressure C. Freezing point D. Sublimation temperature |
| 8 | Natural fertilizer provides phosphorus to plants in the form of P_2O_5 | A. 1.2 kg B. 2.2 kg C. 3.2 kg D. 4 kg |
| 9 | Hybridization explain the----- of orbitals | A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above |
| 10 | Wholer prepared urea from | A. Ammonia B. NH_4CNO C. NH_3 D. uric acid |
| 11 | Ethanol containing some methanol is called | A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit |
| 12 | Bell metal is an alloy of | A. Cu, Zn , and Sn B. Cu, Zn and Ni C. Cu and Zn D. Cu and Sn |
| 13 | Which one of the following compounds does not exist? | A. NCI_5 B. AsF_5 C. $SbCl_5$ D. PF_5 |
| 14 | The weight of 11.2 liters of CO_2 at S.T.P. would be | A. 88 g B. 44 g C. 22 g D. 11 g |

C. 32 g
D. 22 g

15 Which of the following is not present in RNA?
A. Uracil
B. Thymine
C. Ribose
D. Phosphate

16 All the naturally occurring processes proceed spontaneously in a direction which lead to
A. Decrease of entropy
B. Increase of enthalpy
C. Increase of free energy
D. Decrease of free energy

17 Which quantum number is sufficient to describe the electron in hydrogen atom?
A. l
B. n
C. m
D. s

18 The valence orbital configuration of an element with atomic number 23 is
A. $3d^5$
B. $3d^3$, $4s^3$, $4p^2$
C. $3d^3$, $4s^1$, $4p^1$
D. $3d^2$, $4s^2$, $4p^1$

19 Which of the following represents elements in order of increasing atomic size?
A. I, Br, Cl
B. Na, Mg, C
C. C, N, O
D. Li, Na, K

20 Number of elements present in the fifth period of periodic table is
A. 8
B. 10
C. 18
D. 32