

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The rotation of two carbon atoms joined by double bond would happen only if	A. Pi bond is broken B. Sigma bond is broken C. Both bonds are broken D. None of above
2	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
3	Galena is an ore of	A. Gallium B. Lead C. Tin D. Germanium
4	The relative rate of diffusion of a gas (molecular weight - 128) as compared to oxygen is	A. 2 times B. 1/4 C. 1/8 D. 1/2
5	Which of the following is not present in RNA?	A. Uracil B. Thymine C. Ribose D. Phosphate
6	Which of the following process is used to separate insoluble particles from liquids?	A. Separation B. Filtration C. Crystallization D. Condensation
7	Which of the following elements is most electronegative?	A. Oxygen B. Chlorine C. Nitrogen D. Fluorine
8	Ethanol containing some methanol is called	A. Absolute spirit B. Rectified spirit C. Power alcohol D. Methylated spirit
9	Which is the most volatile compound?	A. HI B. HCl C. HBr D. HF
10	Covalent compounds are soluble in	A. Polar solvents B. Non-polar solvents C. Concentrated acids D. All solvents
11	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
12	$\Delta H_{\text{Neutralisation}}$ is always	A. Positive B. Negative C. Zero D. Positive or negative
13	In the manufacture of iron from haematite, limestone is added to act as.	A. Flux B. A reducing C. Slag D. An oxidizing agent.
14	Which of the following value of $\Delta H^\circ$ represent that the product is least stable?	A. -94.0 kcal mol <sup>-1</sup> B. -231.6 kcal mol <sup>-1</sup> C. +21.4 kcal mol <sup>-1</sup> D. +64.8 kcal mol <sup>-1</sup>

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15	Which of the following geometry is associated with the compound in which the central atom assumes $sp^3 d$ hybridization?	A. Planar B. Pyramidal C. Angular D. Trigonal bipyramidal
16	With increasing principle quantum number the energy difference between adjacent energy levels in H atom	A. Decreases B. Increases C. Remains constant D. Decreases for low value of Z and increases for higher value of Z.
17	A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are	A. $O_2$ , $H_2$ B. <span style="font-size: 14.4444465637207px;">O</span> <span style="font-size: 14.4444465637207px;">2</span> , <span style="font-size: 14.4444465637207px;">Na</span> C. <span style="font-size: 14.4444465637207px;">O</span> <span style="font-size: 14.4444465637207px;">2</span> , <span style="font-size: 14.4444465637207px;">SO</span> <span style="font-size: 14.4444465637207px;">2</span> D. <span style="font-size: 14.4444465637207px;">O</span> <span style="font-size: 14.4444465637207px;">2</span> , <span style="font-size: 14.4444465637207px;">S</span> <span style="font-size: 14.4444465637207px;">2</span> $O^{2-}$ <span style="font-size: 14.4444465637207px;">8</span>
18	Heating a mixture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
19	The essential component of organic compound is	A. O B. C C. P D. N
20	Which one of the following has the lowest boiling point?	A. <span style="font-size: 14.4444465637207px;">B</span> B. <span style="font-size: 14.4444465637207px;">Al</span> C. <span style="font-size: 14.4444465637207px;">Ga</span> D. <span style="font-size: 14.4444465637207px;">Ti</span>

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