

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The credit of discovering neutron goes to	A. Rutherford B. Langmuir C. Chadwick D. Austen
2	Which of the following imparts violet colouration to the non-luminous flame of Bunsen burner?	A. NaCl B. BaCl <sub>2</sub> C. CaCl <sub>2</sub> D. KCl
3	Toluene can be oxidized to benzoic acid by	A. KMnO <sub>4</sub> (alk) B. K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> (acidic) C. Both D. None
4	Benzene + Ozone → Y. in this sequence Y is	A. Benzene monoozonide B. Benzene diozonide C. Benzene triozone D. Succinic acid
5	Sea weeds are important source of	A. Iron B. Chlorine C. Iodine D. Bromine
6	The rate of a reaction that does not involve gases does not depend upon	A. Pressure B. Temperature C. Concentration D. Catalyst
7	Portland cement is manufactured by using	A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and gypsum
8	Which is the most amphoteric?	A. Na <sub>2</sub> O B. MgO C. Al <sub>2</sub> O <sub>3</sub> D. CaO
9	How many moles of Helium gas occupy 22.4 L at 0°C at 1 atm. Pressure?	A. 0.11 B. 0.90 C. 1.0 D. 1.11
10	A solution of sodium sulphate was electrolysed using some inert electrodes. The products at the electrodes are	A. O <sub>2</sub> , H <sub>2</sub> B. <span style="font-size: 14.44444465637207px;">O</span> <sub>2</sub> , Na C. <span style="font-size: 14.44444465637207px;">O</span> <sub>2</sub> , SO <sub>2</sub> D. <span style="font-size: 14.44444465637207px;">O</span> <sub>2</sub> , S <sub>2</sub> O <sub>8</sub> <sup>2-</sup>
11	Number of elements presents in the fifth period of periodic table is	A. 8 B. 10 C. 18 D. 32
12	The freezing point of 1 molal NaCl solution assuming NaCl to be 100% dissociated in water in	A. -1.86°C B. -3.72°C C. +1.86°C D. +3.72°C
		A. Magnesium

13	Which of the following is an example of body centred cube?	B. Zinc C. Copper D. Sodium
14	Ozone is not	A. An allotrope B. A powerful oxidizing agent C. Paramagnetic D. A bent molecule
15	Which of the following is directly related to Qualitative analysis?	A. Identification B. Separation C. Measurement D. Calculation
16	For preparing an alkane, a concentrated aqueous solution of sodium or potassium salt of saturated carboxylic acid is subjected to	A. Hydrolysis B. Oxidation C. Hydrogenation D. Electrolysis
17	Which of the following alcohols cannot be produced by treatment of aldehydes or ketones with $\text{NaBH}_4$ or $\text{LiAlH}_4$ ?	A. <span style="font-size: 14.44444465637207px;">1-Propanol</span> B. <span style="font-size: 14.44444465637207px;">2-Propanol</span> C. <span style="font-size: 14.44444465637207px;">2-Methyl-2-propanol</span> D. <span style="font-size: 14.44444465637207px;">Ethanol</span>
18	Bleaching action of bleaching powder is due to the liberation of	A. $\text{O}^{2-}$ B. $\text{OCl}^{-}$ C. $\text{Cl}^{2-}$ D. $\text{Cl}^{\text{sup}}$
19	Benzene is obtained by fractional distillation of	A. Heavy oil B. Anthracene oil C. Middle oil D. Light oil
20	Fluorine does not show positive oxidation states due to the absence of	A. d-orbitals B. s-orbitals C. p-orbitals D. None