

## Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following fluorides of xenon is impossible?	<p>A. <math>\text{XeF}_2</math></p> <p>B. <math>\text{XeF}_3</math></p> <p>C. <math>\text{XeF}_4</math></p> <p>D. <math>\text{XeF}_6</math></p>
2	Carbon atom holding halogen in aryl halides is	<p>A. <math>\text{sp}^2</math>-hybridised</p> <p>B. <math>\text{sp}^3</math></p> <p>C. <math>\text{sp}</math></p> <p>D. <math>\text{sp}^3\text{d}</math></p>
3	Which of the following is different from the other three oxides?	<p>A. MgO</p> <p>B. SnO</p> <p>C. ZnO</p> <p>D. <math>\text{Cr}_2\text{O}_3</math></p>
4	Vitamin A is present in	<p>A. Liver</p> <p>B. Milk</p> <p>C. Green vegetables</p> <p>D. All</p>
5	Alum is not used	<p>A. As a mordant in dyeing</p> <p>B. As an insecticide</p> <p>C. In purification of water</p> <p>D. In tanning of leather</p>
6	Toluene can be oxidized to benzoic acid by	<p>A. <math>\text{KMnO}_4</math> (alk)</p> <p>B. <math>\text{K}_2\text{Cr}_2\text{O}_7</math> (acidic)</p> <p>C. Both</p> <p>D. None</p>
7	Which of the following statement is correct if the intermolecular forces in liquids A, B and C are in the order $A < B < C$ ?	<p>A. B evaporates more readily than A</p> <p>B. B evaporates less readily than C</p> <p>C. A and B evaporates at the same rate</p> <p>D. A evaporates more readily than C</p>
8	$\text{BiCl}_3$ on hydrolysis forms a white precipitate of	<p>A. Bismuthio acid</p> <p>B. Bismuth oxychloride</p> <p>C. Bismuth pentachloride</p> <p>D. Bismuth hydroxide</p>
9	Which of the following has greatest reducing power?	<p>A. HI</p> <p>B. HBr</p> <p>C. HCl</p> <p>D. HI</p>
10	The formula of calcium cyanamide is	<p>A. <math>\text{Ca}(\text{CN})_2</math></p> <p>B. <math>\text{CaC}_2\text{N}</math></p> <p>C. <math>\text{CaNCN}</math></p> <p>D. <math>\text{CaCHNH}_2</math></p>
11	Which of the following has greatest tendency to lose electron?	<p>A. F</p> <p>B. Fr</p> <p>C. S</p> <p>D. N</p>

12	At 500 K the equilibrium constant for reaction $\text{cis-C}_2\text{H}_2\text{Cl}_2 \rightleftharpoons \text{trans-C}_2\text{H}_2\text{Cl}_2$ is 0.6. At the same temperature the equilibrium constant for the reaction $\text{trans-C}_2\text{H}_2\text{Cl}_2 \rightleftharpoons \text{cis-C}_2\text{H}_2\text{Cl}_2$ will be	A. 0.60 B. 1.67 C. 0.66 D. 2.6
13	Which species represents the electrophile in aromatic nitrotaion?	A. $\text{NO}^{2+}$ B. $\text{NO}_2^+$ C. $\text{NO}_2$ D. $\text{NO}^{3+}$
14	The wire in the flash bulbs is made up of	A. Mg B. Ba C. Cu D. Ag
15	Which of the following is an example of body centred cube?	A. Magnesium B. Zinc C. Copper D. Sodium
16	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
17	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
18	The osmotic pressure of solution increases if	A. Temperature is decreased B. Solution constant is increased C. Number of solute molecules are increased D. Volume is increased
19	The substance used as a smoke screen in warfare is	A. $\text{SiCl}_4$ B. $\text{PH}_3$ C. $\text{PCl}_5$ D. Acetylene
20	Which of the following species participate in sulphonation of benzene ring?	A. $\text{H}_2\text{SO}_4$ B. $\text{HSO}_3^-$ C. $\text{SO}_3$ D. $\text{SO}_2$