

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The symbol of the element whose atoms have the outer most electronic configuration $2s^2 2p^3$ is	A. N B. Li C. P D. Na
2	Ozone is not	A. An allotrope B. A powerful oxidizing agent C. Paramagnetic D. A bent molecule
3	The ratio of close packed atoms to tetrahedral holes in cubic close packing is	A. 1 : 1 B. 1 : 2 C. 1 : 3 D. 2 : 1
4	At room temperature formaldehyde is	A. Gas B. Liquid C. Solid D. None of the above
5	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
6	Phosphide ion has the electronic structure similar to that of	A. Nitride ion B. Fluoride ion C. Sodium ion D. Chloride ion
7	Chief air pollutant which is likely to deplete ozone layer	A. Sulphure dioxide B. Carbon dioxide C. Carbon dioxide D. Nitrogen oxides and chloro fluorocarbons
8	The most reactive compound for electrophilic nitration will be	A. Benzyl chloride B. Benzoic acid C. Nitrobenzene D. Chlorobenzene
9	During the folding of filter paper the apex form angle of about	A. 80° B. 60° C. 180° D. 90°
10	For the reaction $2A(g) + B(g) \rightleftharpoons 3C(g) + D(g)$ two moles each of A and B were taken into a flask The following must always be true when the system attained equilibrium	A. $[A] = [B]$ B. $[A] \text{ \& } [B]$ C. $[B] = [C]$ D. $[A] \text{ \& } [B]$
11	An endothermic reaction is one in which	A. Heat is converted into electricity B. Heat is absorbed C. Heat is evolved D. Heat is converted into mechanical work
12	The substance used as a smoke screen in warfare is	A. $SiCl_4$ B. PH_3 C. PCl_5 D. Acetylene
13	Magnesium keeps on burning in	A. N_2 B. CO_2 C. N_2O D. N_2 as well as CO_2
14	Which of the following statements is most appropriate about effective nuclear charge? It depends upon	A. The shielding constant B. The atomic number C. The charge on the nucleus D. Both the nuclear charge and the shielding constant

15	Vitamin A is present in	A. Liver B. Milk C. Green vegetables D. All
16	In which molecule carbon atom is sp^2 hybridized	A. CH_4 B. C_2H_4 C. C_2H_2 D. None of the above
17	Hydrogen chloride molecule contains	A. Covalent bond B. Double bond C. Co-ordinate bond D. Electrovalent bond
18	Dilute hydrochloric acid solution cannot be concentrated by boiling beyond	A. 11% B. 33% C. 44% D. 22%
19	Heating a mixture of sodium benzoate and soda lime gives	A. Benzene B. Methane C. Sodium benzoate D. Calcium benzoate
20	Which of the following method is most appropriate for the manufacture of methane?	A. By reduction of CH_2Cl_2 B. Wurtz reaction C. Liquefaction of natural gas D. None of these