

Chemistry General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which of the following has least mass?	A. 2 gram atom of nitrogen B. 3×10^{23} atoms of C C. 1 mole of S D. 7.0 g of Ag.
2	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. $[A] \neq [B]$ C. $[B] = [C]$ D. $[A] \neq [B]$
3	Octane number can be changed by	A. Isomerisation B. Alkylation C. Cyclisation D. All of these
4	The percentage of nitrogen in urea is	A. 46 B. 60 C. 70 D. 80
5	Which of the following does not reflect the periodicity of elements?	A. Bonding behaviour B. Electronegativity C. Ionisation potential D. Neutron/proton ratio.
6	Propyne on hydrolysis in presence of H_2SO_4 and $HgSO_4$ gives	A. Acetaldehyde B. Actone C. Formaldehyde D. None
7	For most of the chemical reaction the rate of reaction	A. Increases as the reaction proceeds B. Decreases as the reaction proceeds C. May increases or decreases during the reaction D. Remains constant as the reaction
8	The mass of the neutron is of the order of	A. 10^{-23} kg B. $1.44444465637207 \times 10^{-24}$ kg C. $1.44444465637207 \times 10^{-26}$ kg D. $1.44444465637207 \times 10^{-27}$ kg
9	The substance used as a smoke screen in warfare is	A. $SiCl_4$ B. PH_3 C. PCl_5 D. Acetylene
10	Which one is not a pollutant normally?	A. Hydrocarbons B. Carbon dioxide C. Carbon monoxide D. Sulphur dioxide
11	In the equilibrium $N_2 + 3H_2 \rightleftharpoons 2NH_3 + 22 \text{ kcal}$ the formation of ammonia is favoured by	A. Increasing the pressure B. Increasing the temperature C. Decreasing the pressure D. Adding ammonia
12	When pressure is applied to the equilibrium system Ice Water Which of the following phenomenon will happen?	A. More ice will be formed B. Water will evaporate C. More water will be formed D. Equilibrium will not be formed
13	Potassium crystallizes with a	A. Orthogonal lattice B. Cubic lattice C. Triclinic D. ...

D. Ortho rhombic lattice

14	Which of the substances Na, Hg, S Pt and graphic can be used as electrodes in electrolytic cells having aqueous solution?	A. Na,Pt and graphite B. Na and Hg C. Pt and graphite only D. Na and S only
15	When sulphur is boiled with Na ₂ SO ₃ solution the compound formed is	A. Sodium sulphides B. Sodium sulphates C. Sodium persulphate D. Sodium thiosulphate
16	Setting of plaster of paris involves	A. Oxidation with atmospheric oxygen B. Combination with atmosphere CO ₂ C. Dehydration D. Hydration to yield another hydrate.
17	The formula of calcium cyanamide is	A. Ca(CN) ₂ B. CaC ₂ N C. CaNCN D. CaCHNH ₂
18	Dehydration of glycerol give	A. Propane B. Propene C. Acrolein D. Benzene
19	Hybridization explain the----- of orbitals	A. Type of Bonding B. Shapes C. Shape and Type of bonding D. None of above
20	Wholer prepared ures from	A. Ammonia B. NH ₄ CNO C. NH ₃ D. uric acid