

Chemistry Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	The quantum number 'm' of a free gascous atom is associated with	A. The effective volume of the orbital B. The shape of the orbital C. The spatial orientation of the orbital D. The energy of the orbital in the absence of a magnetic field
2	When a crystalline solid is broken, it does so along specific planes, Theseplanes are kown as.	A. Cleavage planes B. Crystal faces C. Surface planes D. Growth planes
3	Why are cholestric liuquid crystals useful in medical diagonostics.	A. They kill bacteria B. They reat with tumors chemically C. They detect temperatur edifferences D. They absorb X-rays
4	Which of the following has maximum heat capacity	A. Water B. Mercury C. Ethanol D. Iron
5	What types of force is hydrogen bonding.	A. lonic bond B. A special type of dipole dipole force C. Metalic Bond D. London Dispersion force
6	Which of the following contribtes to water's high viscosity	A. Covalet bonds B. Metallic interactions C. Strong hydrogen bonding D. Low surface area
7	In an energy profile, peak represents.	A. Reactants B. Activated complex C. Products D. Catalyst
8	Which of the following is the conjugate base of water.	A. OH- B. OH+ C. H2O D. H2O+
9	A solution with equal [H+] and [OH-] is	A. Basic B. Acidic C. Neutral D. Salt
10	Delta H = q at constant	A. Pressure B. Energy C. Volume D. Temperature
11	Which of the followng quantitites is NOT typically determined using Hess's Law.	A. Enthalpy change of formation B. Activation energy C. Enthalpy chage f combustion D. Enthalpy chage of reaction
12	The volume of occupied by 1.4 g of N1 at	A. 1.12 dm3 B. 2.24 dm3 C. 22.4 dm3 D. 112 dm3
13	The number of moles of CH4 in 4 g of gas is	A. 0.2 moles B. 0.25 mole C. 0.3 mol D. 0.4 mole
14	In color change reactions, which method is best	A. Colorimetry B. Titration C. Conductometry

		D. Manometry
15	The sign of Delta H during melting is.	A. Negative B. Positive C. Zero D. Can't be predicted
16	For gaseous reactions, rate is ofter monitored by	A. Mass change B. pH change C. Pressure change D. Temperature change
17	Law of mass action applies to	A. Closed systems only B. Open systems C. Irreversibel systems D. Combustion reactions
18	Reaction in Haber process is	A. Endothermic B. Exothermic C. Irrversible D. Neutral
19	What the mass of oxygen obtaining from 72 g of pure water.	A. 16 g B. 32 g C. 64 g D. 72 g
20	How does the presence of a catalyst affect the rate of a chemical reaction	A. It always decreases the rate of the reaction B. It always increases the rate of the reaction C. In increase the rate of the forward and decreases the rate of the reverse reaction D. It increases the rate of both the forward and reverse reactions