

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The nature of bonds in compounds of carbon and silicon is mostly	A. Covalent B. Electrovalent C. Metallic D. Both A and B
2	The name hydrogen was proposed by.	A. Lavoisier B. Rutherford C. Henry Cavandish D. Scheele
3	The correct order of second ionization potential of carbon , nitrogen, oxygen and fluorine is.	A. C > N > O > F B. O > N > F > C C. O > F > N > C D. F > O > N > C
4	The electron gain enthalpy of chlorine is -349 KJ mol ⁻¹ ionization energy of Cl would be.	A. -349 kJ mol ⁻¹ B. 349 kJ mol ⁻¹ C. -698 kJ mol ⁻¹ D. 698 kJ mol ⁻¹
5	Principal constituents of noble gases is	A. Argon B. Neon C. Xenon D. Helium
6	Relative order of acidity of HF, HCl, HBr, and HI acids is	A. HCl > HBr > HI > HF B. HF > HCl > HBr > HI C. HI > HBr > HCl > HF D. HF > HI > HCl > HBr
7	Tetra halides do not undergo hydrolysis	A. C B. Si C. Sn D. Pb
8	The 'shape' of molecule . Xe F6 is.	A. Pentagonal bipyramidal B. Regular octahedral C. Distorted octahedral D. Square planar
9	Which of the following pentahalides is not formed.	A. NF5 B. PF5 C. AsF5 D. BiF5
10	The three dimensional silicate anion (SiO ₅ ²⁻) _n is present in	A. Beryl B. Silica C. Asbestos D. Clays
11	The noble gas which was discovered first in the sun and then on the earth is.	A. Helium B. Neon C. Argon D. Xenon
12	Which of the following method is used for the coventrating of ores.	A. Gravity separation B. Magnetic concentration C. Fourth floatation D. Electrostatic concentration E. All
13	Number of unpaired electrons in Cu ²⁺ ions are.	A. 1 B. 2 C. 3 D. 4
14	Which of the following bonds will be non polar.	A. N - H B. O - H C. C - H D. Cl - Cl

A. In an octahedral crystal field, the d electron on a metal ion occupy the ex of orbitals before they occupy the

15	Which one of the following statements is false with respect to CFT.	<p>198 not of orbitals.</p> <p>B. Diamagnetic metal ions cannot have an odd number of electrons C. Low spin complexes can be paramagnetic D. Low spin complexes contain strong field ligands.</p>
16	The electronegativity of the following elements increase in the order	<p>A. F > Cl > O > S B. S > Cl > O > F C. F > O > N > C D. C > O > N > F</p>
17	The role of the mineral cryolite Na_2AlF_6 in the Hall process for aluminum production is.	<p>A. It is the source of aluminum B. it is a chemical reducing agent C. It forms a slag to remove impurities D. In the molten state, it is a solvent for alumina Al_2O_3</p>
18	The maximum oxidation shown by manganese is.	<p>A. +2 B. +7 C. +4 D. +5</p>
19	An element having low IE and low EA is likely to belong to.	<p>A. Group IA B. Group IB C. Group VII A D. Group VIII</p>
20	Mostly used solvents for ionic compounds.	<p>A. Liquid ammonia B. Liquid SO_2 C. Liquid HF D. All above</p>