

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Which of the following statements regarding covalent bond is false.	A. The electrons are shared between atoms. B. The bond in non-directional C. The strength of the bond depend upon the extent of overlapping D. The bond formed may be polar or non-polar
2	The elements with highest electron affinity belongs to.	A. Period 2 , group 17 B. Period 3, group 17 C. Period 2, group 18 D. Period, 2 , group 1
3	The element having highest ionization energy and least electron affinity belong to	A. Period 1 , group 18 B. Period 2, group 17 C. Period 2, group 1 D. Period 2, group 2
4	Which of the following has the greatest metallic character.	A. Na B. Mg C. Al D. Si
5	The force responsible for dissolution of ionic compounds in water are	A. Hydrogen bonds B. Ion dipole forces C. Ionic bonds D. Van Der Waal forces
6	Group VA of the periodic table consist of elements.	A. 3 B. 4 C. 5 D. 6
7	Zero group elements are called as	A. Inert gases B. Rare gases C. Noble gases D. All of above
8	Which of the following elements is most electropositive.	A. C B. N C. O D. Be
9	O ₂ molecule is.	A. Ferromagnetic B. Ferromagnetic C. Paramagnetic D. Diamagnetic
10	The gap between occupied and the unoccupied orbitals is not very large and the conduction of electricity is negligible at lower temperature and appreciable at high temperatures then it will be.	A. Good conductor B. Non conductor C. Semi conductor D. None of the above
11	Which of the following would decompose at lowest temperature.	A. MgCO ₃ B. SrCO ₃ C. BaCO ₃ D. CaCO ₃
12	Which one of the following has a linear structure.	A. H ₂ O B. CO ₂ C. NO ₂ D. SO ₂
13	The correct order of ionization energies of alkali metals is.	A. Li > Na > K > Rb B. Na > K > Rb > Li C. Rb > K > Na > Li D. Rb > K > Li > Na
14	The high oxidizing power of halogens is favored by.	A. Low heat of dissociation of X ₂ B. A high electron affinity of the atom C. A higher hydration energy of the

		ion D. All of above
15	Type of hybrid orbitals used by the chlorine atom in ClO_2 is.	A. sp^2 B. sp^3 C. sp D. None of these
16	Aluminum occurs in nature as.	A. Native B. Combined form C. Both native and combined D. Free
17	Xenon difluoride is obtained by irradiating a mixture of xenon and fluorine with light from a high pressure.	A. Mercury arc B. Tungsten arc C. Xenon arc D. None of above
18	Monel metal is an alloy of Ni which contains Ni up to	A. 50% B. 60% C. 70% D. 80%
19	The correct order of thermal stabilities of hydrides of group 15 is.	A. $\text{NH}_3 > \text{PH}_3 > \text{AsH}_3 > \text{BiH}_3 > \text{SbH}_3$ B. $\text{NH}_3 > \text{PH}_3 > \text{AsH}_3 > \text{SbH}_3 > \text{BiH}_3$ C. $\text{NH}_3 < \text{PH}_3 < \text{SbH}_3 < \text{AsH}_3 < \text{BiH}_3$ D. $\text{BiH}_3 > \text{SbH}_3 > \text{AsH}_3 > \text{PH}_3 > \text{NH}_3$
20	AlCl_3 fumes in air because of.	A. Hydrolysis B. Dehydration C. Hydration D. Oxidation