

MDCAT Chemistry Chapter 9 Period Online Test

Sr	Questions	Answers Choice
1	Total number of valence electrons in phosphonium ion (PH_4^-) is	A. 8 B. 9 C. 12 D. 10
2	A covalent bond may be	A. 100% covalent B. Partial ionic C. 100% ionic D. Both a and b
3	In a period the atomic radii	A. increase B. decrease C. remain same D. first increase, then decreased
4	A molecule which contains two lone pairs and two bond pairs of electrons in valence shell of central atom, geometrical shape of molecules will be	A. Tetrahedral B. Trigonal pyramidal C. Angular D. Linear
5	What is not true for NH_4Cl	A. It has ionic bond B. It has covalent bond C. It has coordinate bond D. It has hydrogen bond
6	π -bond can be formed by sideways overlap of	A. s-orbital B. d-orbital C. p-orbital D. sp orbital
7	Low IE is a symbol of	A. high electronegativity B. small size C. High electron affinity D. Metallic character
8	Which one is a non-polar compound?	A. SnCl_2 B. PH_3 C. GeCl_4 D. H_2O
9	The ionization energy	A. generally increases from left to right in a period B. increases from top to bottom in a group C. does not change in a period D. does not change in a group
10	Energy required to remove electron from an atom	A. Ionization potential B. Electronegativity C. Electropositivity D. Electron affinity
11	What is true for a molecule with standard geometry	A. It lacks a lp B. It can't be a donor C. It can be an acceptor D. All
12	Covalent bonds are	A. directional B. Bidirectional C. Multidirectional D. Non directional
13	The no. of lp's on oxygen in CO are	A. 1 B. 3 C. 4 D. 2
14	Elements having high ionization potential values are	A. metals B. non- metal C. liquids D. solid
15	Carbon-Carbon double bond length in C_3H_6	A. 154 pm B. 134 pm C. 120 pm

		D. 105 pm
16	what is the exact value of angle in BF ₃	A. 90 B. 104.51 C. 119.5 D. 120°
17	H ₃ O ⁺ can't accept a lp because	A. it has positive charge B. The central atom is not electron deficient C. The shell of oxygen has reached its limit D. it already has a coordinate bond
18	A molecule that has polar bonds but is overall non - polar	A. IF B. CCl ₄ C. PCl ₃ D. All
19	Which of the following molecule has zero dipole moment?	A. PCl ₃ B. BF ₃ C. NH ₃ D. H ₂ O
20	The ionization energy of hydrogen atom is	A. Zero B. 131.3kJ/mole C. 13.13kJ/mole D. 1313kJ/mole