

MDCAT Chemistry Chapter 9 Period Online Test

Sr	Questions	Answers Choice
1	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
2	what is the exact value of angle in BF ₃	A. 90 B. 104.51 C. 119.5 D. 120°
3	The no. of lp's on oxygen in CO are	A. 1 B. 3 C. 4 D. 2
4	The ionization energy of hydrogen atom is	A. Zero B. 131.3kJ/mole C. 13.13kJ/mole D. 1313kJ/mole
5	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
6	Which one is a non-polar compound?	A. SnCl ₂ B. PH ₃ C. Gecl ₄ D. H ₂ O
7	Energy required to remove electron from an atom	A. Ionization potential B. Electronegativity C. Electropositivity D. Electron affinity
8	The elements for which the value of ionization energy is low can	A. Gain electrons readily B. Lose electron less readily C. Gain electrons with difficulty D. Lose electron readily
9	Octet rule is not allowed in the formation of	A. NF ₃ B. B ₂ CF ₄ C. CCl ₄ D. PCl ₅
10	For formation of ionic bond, electronegativity difference should be	A. Equal to zero B. Equal to 0.5 C. More then 1.7 D. Less than 1.7
11	Mostly ionic compounds are produced between elements of group	A. IA and IIA B. IB and VIB C. IA, IIA and VII-A D. IA and IB
12	Ionic bond is produced after complete transfer of	A. nucleus B. neutrons C. electrons D. protons
13	Low IE is a symbol of	A. high electronegativity B. small size C. High electron affinity D. Metallic character
14	A covalent bond may be	A. 100% covalent B. Partial ionic C. 100% ionic D. Both a and b

15	Elements of group IA and IIA are	A. electronegative B. neutral C. electropositive D. non-metals
16	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
17	In a period the atomic radii	A. increase B. decrease C. remain same D. first increase, then decreased
18	Elements having high ionization potential values are	A. metals B. non- metal C. liquids D. solid
19	Covalent bonds are	A. directional B. Bidirectional C. Multidirectional D. Non directional
20	Which one of the followings has polar covalent bonds hut is overall non-polar molecule:	A. HF B. CO ₂ C. CH ₄ D. N ₂