

MDCAT Chemistry Chapter 9 Period Online Test

Sr	Questions	Answers Choice
1	Octet rule is not allowed in the formation of	A. NF ₃ B. BCl ₃ C. CCl ₄ D. PCl₅
2	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
3	Low IE is a symbol of	A. high electronegativity B. small size C. High electron affinity D. Metallic character
4	A covalent bond may be	A. 100% covalent B. Partial ionic C. 100% ionic D. Both a and b
5	The ionization energy of hydrogen atom is	A. Zero B. 131.3kJ/mole C. 13.13kJ/mole D. 1313kJ/mole
6	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
7	In a period the atomic radii	A. increase B. decrease C. remain same D. first increase, then decreased
8	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
9	Energy of atom in compound is	A. Higher than individual atom B. Lower than individual atom C. equal to individual atom D. Impossible to predict
10	Ionic bond is produced after complete transfer of	A. nucleus B. neutrons C. electrons D. protons
11	Carbon-Carbon double bond length in C ₃ H ₆	A. 154 pm B. 134 pm C. 120 pm D. 105 pm
12	what is the exact value of angle in BF ₃	A. 90 B. 104.51 C. 119.5 D. 120°
13	Bond will be covalent when electronegativity difference of bonded atom is	A. Equal to 1.7 B. between 0.5 to 1.7 C. Greater to 1.7 D. zero
14	Elements having high ionization potential values are	A. metals B. non- metal C. liquids D. solid
15	Bonding in MgO is an example of	A. Ionic bond B. Polar bond C. Covalent bond

16	Covalent bonds are	A. directional B. Bidirectional C. Multidirectional D. Non directional
17	At compromise distance the forces dominating between atoms are	A. repulsive forces B. attractive forces C. Dipole induced dipole force D. H-bonding
18	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
19	Elements of group IA and IIA are	A. electronegative B. neutral C. electropositive D. non-metals
20	Which one is a non-polar compound?	A. SnCl_2 B. PH_3 C. GeCl_4 D. H_2O