

MDCAT Chemistry Chapter 9 Electrochemistry Online Test

Sr	Questions	Answers Choice
1	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
2	What will be the shape of a molecule which contains two sigma bond pairs and one lone pair?	A. Linear B. V shape C. Tetragonal D. Triangular
3	The shielding effect of inner electron is responsible for	A. Having no effect on ionization energy B. Decreasing ionization energy C. Increasing ionization energy D. Increasing electronegativity
4	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
5	The ionization energy of hydrogen atom is	A. Zero B. 131.3 kJ/mole C. 13.13 kJ/mole D. 1313 kJ/mole
6	For formation of ionic bond, electronegativity difference should be	A. Equal to zero B. Equal to 0.5 C. More than 1.7 D. Less than 1.7
7	Which of the following molecule has zero dipole moment?	A. PCl_3 B. BF_3 C. NH_3 D. H_2O
8	Among the following molecules, which one has coordinate covalent (dative) bond?	A. CCl_4 B. CO_2 C. CO D. CH_4
9	Which one of the following has zero dipole moment	A. NH_3 B. CHCl_3 C. H_2O D. BF_3
10	Low IE is a symbol of	A. high electronegativity B. small size C. High electron affinity D. Metallic character
11	At compromise distance the forces dominating between atoms are	A. repulsive forces B. attractive forces C. Dipole induced dipole force D. H-bonding
12	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
13	H_3O^+ 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
14	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
		A. SnCl_2

15	Which one is a non-polar compound?	B. PH_3 C. GeCl_4 D. H_2O
16	The no. of lp's on oxygen in CO are	A. 1 B. 3 C. 4 D. 2
17	A molecule that has polar bonds but is overall non - polar	A. IF B. CCl_4 C. PCl_3 D. AlI
18	In a group, the atomic radii from top to bottom	A. increase B. decrease C. don't change D. show variable trend
19	In a period the atomic radii	A. increase B. decrease C. remain same D. first increase, then decreased
20	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