

Chemical Bonding

Sr	Questions	Answers Choice
1	The boiling point of alcohol is	A. 44°C B. 78°C C. 53°C D. 19°C
2	In metals, the hold of nucleus over the valence shell electrons is weak due to.	A. High electron affinity B. Large sized atoms C. High ionization energies D. All of the above
3	How many covalent bonds do N_2 molecule have	A. 3 B. 4 C. 2 D. 5
4	A bond pair in covalent molecules usually has.	A. One electron B. Two electrons C. Three electrons D. Four electrons
5	Which of the following atoms will not form cation or anion.	A. Atomic no. 16 B. Atomic no. 18 C. Atomic no. 17 D. Atomic No. 19
6	Which of the following is an example of polar covalent compound.	A. Cl_2 B. H_2 C. O_2 D. HCl
7	Every atom has a natural tendency to accommodate electrons in its valence shell	A. 2 or 6 B. 2 or 4 C. 2 or 8 D. 2 or 10
8	Attaining two electrons in the valence shell is called.	A. Octet rule B. Duplet rule C. Triplet rule D. All of these
9	How many electrons are there in the valence shell of sodium atom.	A. One B. Two C. Three D. Four
10	Which compound contains both covalent and ionic bonds.	A. MgCl_2 B. PCl_5 C. NH_4Cl D. CaO
11	Which of the following atoms obey duplet rule.	A. O_2 B. Cl_2 C. H_2 D. Li_2
12	When an electronegative element combines with electropositive element, the type of bonding is.	A. Covalent B. Polar Covalent C. Ionic D. Coordinate Covalent
13	Covalent Bond involves the	A. Sharing of electrons B. Repulsion of electrons C. Acceptance of electrons D. Donation of electrons
14	Nitrogen molecule contains.	A. Polar covalent bond B. Triple Covalent bond C. Double covalent bond D. Single covalent bond
15	A bond formed by the mutual sharing of an electron pair is called.	A. Ionic bond B. Metallic bond C. Covalent bond D. Coordinate covalent bond

16	A bond formed between two non metals is expected to be	A. Ionic B. Coordinate covalent C. Metallic D. Covalent
17	How many valence shell electrons are there in Na ⁺ ion.	A. 8 B. 9 C. 1 D. 10
18	An atom having six electrons in its valence shell will achieve noble gas electronic configuration by	A. Gaining one electron B. Gaining two electrons C. Losing all electrons D. Losing two electrons
19	Which of the following bonds is expected to be the weakest.	A. Cl-Cl B. C-C C. F-F D. O-O
20	Which among the following has a double covalent bond.	A. Ethane B. Methane C. Acetylene D. Ethylene