

Chemical Bonding

Sr	Questions	Answers Choice
1	Which ionic compound has the highest melting point.	A. RbCl B. KCl C. LiCl D. NaCl
2	Which of the following is an example of polar covalent compound.	A. Cl ₂ B. H ₂ C. O ₂ D. HCl
3	Attaining two electrons in the valence shell is called.	A. Octet rule B. Duplet rule C. Triplet rule D. All of these
4	Covalent bond is most commonly found between the elements of group	A. 1 to 13 B. 16 to 18 C. 13 to 17 D. 15 to 18
5	Malleability is the property by virtue of which a metal can be drawn into.	A. Rods B. Plates C. Sheets D. Wires
6	Covalent Bond involves the	A. Sharing of electrons B. Repulsion of electrons C. Acceptance of electrons D. Donation of electrons
7	Keeping in view the intermolecular forces of attraction, indicate which compound has the highest boiling point	A. H ₂ S B. HF C. NH ₃ D. H ₂ O
8	Hydrogen bonding is always found in	A. Non-polar molecules B. Homoatomic molecules C. Polar Molecules D. All of the above
9	How many electrons are involved in the formation of single covalent bond	A. One B. Two C. Three D. Four
10	In the formation of AlF ₃ , aluminum atom loses.....electrons.	A. 1 B. 4 C. 3 D. 2
11	Which metal has the lowest melting point?	A. Li B. Na C. Rb D. K
12	Number of electrons in nitrogen molecule is.	A. 2 B. 4 C. 6 D. 8
13	Which molecule contains a single covalent bond.	A. CH ₄ B. C ₂ H ₄ C. C ₂ H ₂ D. O ₂
14	Dative covalent bond is also known as	A. Covalent bond B. Ionic Bond C. Metallic Bond D. Coordinate covalent bond
15	How many electrons are there in the valence shell of sodium atom.	A. One B. Two C. Three D. Four

16	Noble gases are non -reactive, because they do not.	A. Gain electrons B. Lose electrons C. Share electrons D. All of these
17	The compound formed by oppoite charges are known as.	A. Metallic solids B. Ionic compounds C. Non-polar Covalent compound D. None of the above
18	The boiling point of alcohohal is	A. ₄₄^oC B. 78^oC C. 53^oC D. 19^oC
19	Which element is capable of forming all the three types of bonds, covalent coordinate covalent or ionic.	A. Carbon B. Silicon C. Magnesium D. Oxygen
20	Triple covalent bond involves how many electrons.	A. Six B. Four C. Eight D. Three
