

Chemical Bonding

Sr	Questions	Answers Choice
1	When an electronegative element combines with electropositive element, the type of bonding is.	A. Covalent B. Polar Covalent C. Ionic D. Coordinate Covalent
2	Which of the following is an example of polar covalent compound.	A. Cl ₂ B. H ₂ C. O ₂ D. HCl
3	How many valence shell electrons are there in Na ⁺ ion.	A. 8 B. 9 C. 1 D. 10
4	Hydrogen bonding is always found in	A. Non-polar molecules B. Homoatomic molecules C. Polar Molecules D. All of the above
5	Which among the following has a double covalent bond.	A. Ethane B. Methane C. Acetylene D. Ethylene
6	Noble gases are non-reactive, because they do not.	A. Gain electrons B. Lose electrons C. Share electrons D. All of these
7	Covalent Bond involves the	A. Sharing of electrons B. Repulsion of electrons C. Acceptance of electrons D. Donation of electrons
8	Which one of the following is an electron deficient molecule.	A. NH ₃ B. O ₂ C. BF ₃ D. N ₂
9	All the noble gases have their valence electrons.	A. Incomplete B. Partially filled C. Completely filled D. None of the above
10	How many lone pairs are present on nitrogen in ammonia molecule.	A. One B. Two C. Three D. Four
11	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
12	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
13	Which of the following atoms obey the duplet rule.	A. O ₂ B. Cl ₂ C. H ₂ D. Li ₂
14	The compounds formed by opposite charges are known as.	A. Metallic solids B. Ionic compounds C. Non-polar Covalent compound D. None of the above
15	Metals have the tendency to lose electrons due to.	A. High ionization energies B. Low ionization energies C. Low electron affinity D. None of the above

16	Which ionic compound has the highest melting point.	A. RbCl B. KCl C. LiCl D. NaCl
17	Triple covalent bond involves how many electrons.	A. Six B. Four C. Eight D. Three
18	None polar compounds are insoluble in	A. Alcohol B. Benzene C. Ether D. Water
19	Dative covalent bonds also known as	A. Covalent bond B. Ionic Bond C. Metallic Bond D. Coordinate covalent bond
20	During the formation of ionic bond heat is.	A. Remains same B. Absorbed C. Released D. Both a and b
