

Chemical Bonding

Sr	Questions	Answers Choice
1	Attaining two electrons in the valence shell is called.	A. Octet rule B. Duplet rule C. Triplet rule D. All of these
2	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
3	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
4	During the formation of ionic bond heat is.	A. Remains same B. Absorbed C. Released D. Both a and b
5	Hydrogen bonding is always found in	A. Non-polar molecules B. Homatomic molecules C. Polar Molecules D. All of the above
6	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
7	The electropositive elements have the tendency to	A. Lose electrons B. Gain electrons C. Share electrons D. All of these
8	Water has high boiling point as compared a alcohol due to	A. Low density B. High surface tension C. Hydrogen bonding D. High vapour pressure
9	None polar compounds are insoluble in	A. Alcohol B. Benzene C. Ether D. Water
10	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
11	Which type of bond is present between NH ₃ and BF ₃	A. Covalent Bond B. Ionic Bond C. Co-ordinate covalent bond D. Metallic Bond
12	Which among the following has a double covalent bond.	A. Ethane B. Methane C. Acetylene D. Ethylene
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	Identify the compound which is not soluble in water	A. KBr B. MgCl ₂ C. C ₆ H ₆ D. NaCl
15	The compound formed by opposite charges are known as.	A. Metallic solids B. Ionic compounds C. Non-polar Covalent compound D. None of the above

16 Triple covalent bond involves how many electrons.
A. Six
B. Four
C. Eight
D. Three

17 Noble gases are non -reactive, because they do not.
A. Gain electrons
B. Lose electrons
C. Share electrons
D. All of these

18 How many covalent bonds do N₂ molecule have
A. 3
B. 4
C. 2
D. 5

19 The boiling point of water is
A. 0 ^oC
B. 100 ^oC
C. 35 ^oC
D. 25 ^oC

20 How many electron are there in the valence shell of sodium atom.
A. One
B. Two
C. Three
D. Four
