

Chemical Bonding

Sr	Questions	Answers Choice
1	Silicon belongs to Group IVA . It haselectrons in the valence shell	A. 2 B. 6 C. 3 D. 4
2	A bond formed between two non metals is expected to be	A. Ionic B. Coordinate covalent C. Metallic D. Covalent
3	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
4	Malleability is the property by virtue of which a metal can be drawn into.	A. Rods B. Plates C. Sheets D. Wires
5	Number of electrons in nitrogen molecule is.	A. 2 B. 4 C. 6 D. 8
6	Dative covalent bond is also known as	A. Covalent bond B. Ionic Bond C. Metallic Bond D. Coordinate covalent bond
7	Triple covalent bond involves how many electrons.	A. Six B. Four C. Eight D. Three
8	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
9	The boiling point of alcohol is	A. 44°C B. 78°C C. 53°C D. 19°C
10	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
11	None polar compounds are insoluble in	A. Alcohol B. Benzene C. Ether D. Water
12	Which of the following is not true about the formation of Na_2S	A. Each sodium atom loses one electron B. Sodium forms cation C. Each sulphur atom gains one electron D. Sulphur forms anion
13	Which among of the following has a double covalent bond.	A. Ethane B. Methane C. Acetylene D. Ethylene
14	During the formation of ionic bond heat is.	A. Remains same B. Absorbed C. Released D. Both a and b
15	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

16 A covalent bond formed by the mutual sharing of two pairs of electrons between bonded atoms is called.

A. Single covalent bond
B. Double covalent bond
C. Triple covalent bond
D. Polar covalent bond

17 The formation of ionic bond between two ions is due to.

A. Hydrogen bonding
B. Metallic force
C. Electrostatic forces
D. All of the above

18 Which of the following is an example of polar covalent compound.

A. Cl_2
B. H_2
C. O_2
D. HCl

19 Transfer of electron between elements result in.

A. Coordinate covalent bonding
B. Ionic bonding
C. Metallic bonding
D. Covalent bonding

20 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
