

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 to alcohol due to	A. Low density B. High surface tension C. Hydrogen bonding D. High vapour pressure
9	Non-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 types of bond is present between NH_3 and BF_3	A. Covalent Bond B. Ionic Bond C. Coordinate covalent bond D. Metallic Bond
12	Which among of 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_2H_4 C. C_2H_2 D. O_2
14	Identify the compound which is not soluble in water	A. KBr B. MgCl_2 C. C_6H_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 N ₂ molecule have	A. 3 B. 4 C. 2 D. 5
19	The boiling point of water is	A. 0 °C B. 100 °C C. 35 °C D. 25 °C
20	How many electron are there in the valence shell of sodium atom.	A. One B. Two C. Three D. Four