

## **Chemical Bonding**

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Sr	Questions	Answers Choice
1	A covalent bond formed by the mutual sharing of two pairs of electrons between bonded atoms is called.	A. Signle covalent bond     B. Double covalent bond     C. Triple covalent bond     D. Polar covalent bond
2	Which among of the followign has a double covalent bond.	A. Ethane B. Methane C. Acetylene D. Ethylene
3	The formaton ionic bond between two ions is due to.	A. Hydrogen bonding B. Metalic force C. Electrostatic forces D. All of the above
4	lonic compund have	A. Low melting and high boiling points     B. Low melting and boiling point     C. High melting and boiling points     D. High meilting and low boiling points
5	Identify the covalent compund	A. NaCl B. H <sub>2</sub> O C. KF D. MgO
6	Noble gases are non -reactive, because they do not.	A. Gain electrons B. Lose electrons C. Share electrons D. All of these
7	Which form of carbon is used as a lubricant?	A. Coal B. Diamond C. Charcoal D. Graphite
8	Which types of attractive forces are presentin ionic compounds.	A. Covalent bonds     B. Electrostatic forces of attraction     C. Mtallic bonds     D. Coordinate covalent bonds
9	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
10	Which of the following is an exampel of polar covalent compound.	A. Cl2 B. H2 C. O2 D. HCl
11	Wheih compound contains both covalent and ionic bonds.	A. MgCl <sub>2</sub> B. PCl5 C. NH <sub>4</sub> Cl D. CaO
12	Why is $H_2Oa$ liquid while $H_2S$ is a gas?	A. Becuase in waer, the atomic size of oxygen in smaller than that of Sulphur B. Because water can easily freeze into ice C. Because water is a polar compound ad tere exists strong forces of attrction betwene its molecules D. Because H <sub>2</sub> O molecule is lighter than H <sub>2</sub> S
13	In metals, the hold of nucieus over the valence shell elecrons is veak due to.	A. Highlectron affinity B. Large sized atoms C. High ionization energies D. All of the above
14	A bond pair is covalent molecules usually has.	A. One electron B. Two electron

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15	Covalent Bond involves the	<ul><li>A. Sharing of electrons</li><li>B. Repulsion of electrons</li><li>C. Acceptance of electrons</li><li>D. Donation of electrons</li></ul>
16	The compund formed by oppoite charges are known as.	A. Metallic solids     B. lonic compounds     C. Non-polar Covalent compound     D. None of the above
17	Metal have the tendency to lose elecrons due to.	<ul><li>A. High ionization energies</li><li>B. Low ionization energies</li><li>C. Low electron affinity</li><li>D. None of the above</li></ul>
18	During the formation of ionic bond heat is.	A. Remains same B. Absorbed C. Released D. Both a and b
19	None polar compounds are insoluble in	A. Alcohol B. Benzene C. Ether D. Water
20	All the noble gases have their valence electrons.	A. Incomplete     B. Partialy filled     C. Completely filled     D. None of the above