

Chemical Bonds (Ionic and Covalent) MCQ

- Write the chemical formula for a compound that has one Calcium atom and 2 Chlorine atoms. Predict the bond between them.
 - CaCl_2 , ionic
 - CaCl_2 , covalent
 - Ca_2Cl , ionic
- Covalent bond is formed between atoms of _____.
 - metals
 - non-metals
 - metals and non-metals
- When a Cl atom gains an electron, it gets a charge of _____.
 - 1
 - +1
 - 0
- Magnesium Bromide is a (an) _____ compound.
 - metallic
 - covalent
 - ionic
- When a Na atom, loses one electron, it gets a charge of _____.
 - 1
 - +1
 - 0
- The chemical formula of the product formed from the reaction between Mg and O_2 is _____.
 - MgO_2
 - MgO
 - Mg_2O

7. In an ionic bond, electrons are _____ or _____.
- lost or gained
 - shared
 - none of the above
8. Ionic bond is formed between atoms of _____ and _____.
- metals and non-metals
 - metals
 - non-metals
9. N has 5 valence electrons and it is diatomic. How many covalent bonds are there in a N₂ molecule ?
- single
 - double
 - triple
10. Calcium Oxide is a (an) _____ compound and the formula for Calcium Oxide is _____.
- covalent, CaO₂
 - ionic, CaO
 - ionic, CaO₂
11. Metals tend to _____ electrons to become _____ ions.
- lose, positive
 - gain, negative
 - lose, neutral
12. Non-metals tend to _____ electrons to be come _____ ions.
- lose, positive
 - gain, negative
 - lose, neutral
13. How is the bond in F₂ different from the bond in KCl ?
- F₂ is covalent and KCl is ionic
 - F₂ is ionic and KCl is ionic
 - F₂ is ionic and KCl is covalent

14. Hydrogen Fluoride has a (an) _____ bond and its chemical formula is _____.
- covalent, HF
 - ionic, HF
 - covalent, H₂F
15. Charged atoms are called as _____.
- protons
 - electrons
 - ions
16. In a covalent bond, electrons are _____.
- lost or gained
 - shared
 - none of the above
17. The bond formed when Mg combines with O₂ is _____.
- ionic
 - covalent
 - metallic
18. The process of becoming an ion from an atom is called as _____.
- ionization
 - electrolysis
 - electron affinity
19. From the list of elements given, select 2 elements that would likely form an ionic bond. K, C, Br, Ar.
- K, Br
 - Ar, C
 - K, Ar
20. An atom that has lost or gained electrons becomes a (an) _____.
- proton
 - electron
 - ion

21. Oxygen has 6 valence electrons and it is diatomic. How many covalent bonds are there in an O₂ molecule ?

single

double

triple

Classes Via Internet for IGCSE, GCSE, ICSE & CBSE Group / Private Tuition between Cuffe Parade to Dadar	
By Raj Purohit	Contact
Website - http://www.livewebtutorials.com/	India – (+91) 9892033099
Skype ID – ‘rajpurohit2000’	UK – (+44) 7031848586
Email – homeworkhelpline1@gmail.com	USA – (+1) 3608122996