

5.1 BASIC OF COMPOUND FORMATION

5.2 IONIC BOND

Choose the correct answer.

1. Neon atom with 10 protons exists as monoatom because it achieved stable electron arrangement.
2. There are two types of chemical bonds which are ionic bond and covalent bond.
3. Ionic bond is formed between metal atom and atom producing an ionic compound.
4. Metal atom donates electron to become
5. Non-metal atom electron to become

6. Explain the formation of compound between sodium atom & oxygen atom;

- a) Electron arrangement of sodium atom, Na is
- b) Each sodium atom will one valence electron to achieve electron arrangement.
- c) , Na^+ is formed.
- d) Electron arrangement of oxygen atom, O is
- e) Oxygen atom will two electron to achieve electron arrangement.
- f) ion, O^{2-} is formed.
- g) Sodium ion and ion are attracted to one another with a strong force producing an ionic bond.
- h) An ionic compound of , Na_2O is formed.