

## 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) ,  $\text{Na}^+$  is formed.
- d) Electron arrangement of oxygen atom, O is
- e) Oxygen atom will  two electron to achieve  electron arrangement.
- f)  ion,  $\text{O}^{2-}$  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 ,  $\text{Na}_2\text{O}$  is formed.