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. <u>Explain the formation of compound between sodium atom & oxygen atom;</u>

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.

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