Anglo American School

Science department

Grade Seven

Q. 1 Match the correct pairs : (Use the pencil and draw lines)

Element [protons]	Electronic Configuration
1. Magnesium[p=12]	a) 2, 8, 3
2. Sulphur[p=16]	b) 2, 8
3. Neon[p=10]	c) 2, 8, 2
4. Calcium[p=20]	d) 2, 8, 6
5. Aluminium [p=13]	e) 2, 8, 8, 2

Q. 2 Choose the word options and drag them into the correct places:

$2n^2$ | Mass No. | Valency | Atomic No.

1- total number of protons and neutrons present in a neutral atom.

2-It is formula to determine the maximum number of electrons in each shell of an atom.

3-The number of electrons or protons that are present in a neutral atom.

4-the number of electrons lost or gained by an atom to achieve a stable electronic configuration.

LIVEWORKSHEETS

Q. 3 Drag the electron/s from the first figure and drop it into the second figure to show the electron transfer and then answer the questions given below:

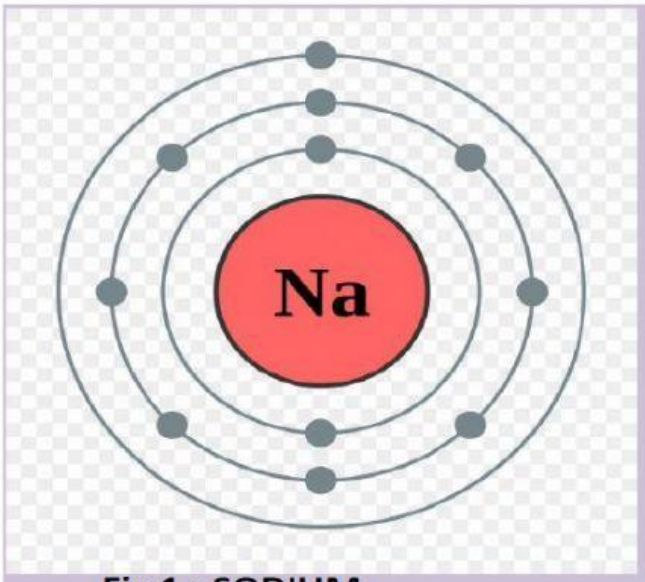


Fig 1 : SODIUM

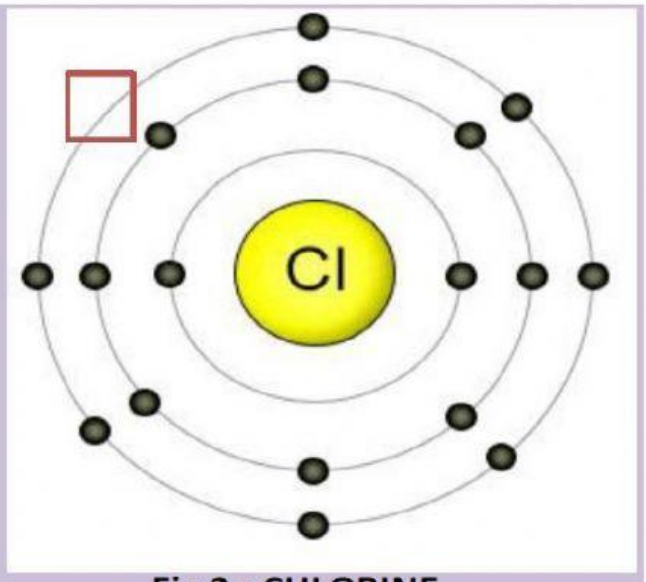
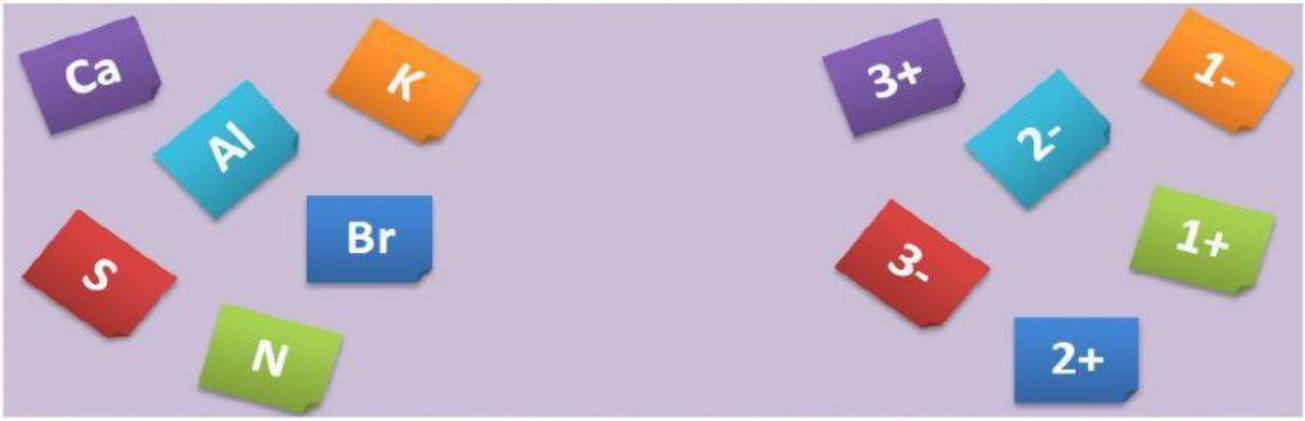


Fig 2 : CHLORINE

1. What kind of bond is achieved by this method?
2. Which of these two is a metal?
3. Which is the nearest inert gas to Chlorine?
4. What is the valency of sodium?
5. What is the valency of Chlorine?

Q. 4 Match the element symbol with its valency : (Draw lines)



LIVEWORKSHEETS