

1 B

2 C

3 A

4 C

5 A

1

Hydrogen: 1

Iodine : 1 HI

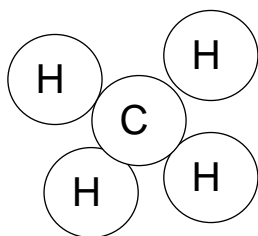
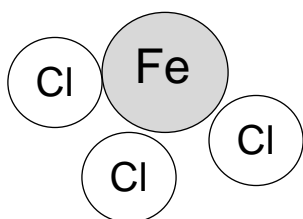
Copper : 1

Sulfur : 1

Oxygen 4 CuSO<sub>4</sub>

Iron : 1

Chlorine : 3

CH<sub>4</sub>Nitrogen : 2 N<sub>2</sub>

2 (a) B and D

(b) A and C

(c) C

(d) Void

(e) F

3

Aluminium chloride	$AlCl_3$
Zinc nitrate	$Zn(NO_3)_2$
Copper (I) oxide	$Cu_2O$
Calcium carbonate	$CaCO_3$
Copper (II)	$CuBr_2$
Potassium	$KOH$

- 4 (a) Nonmetals: 6
- (b) 3 Metals: Any three from sodium , potassium, Calcium, Iron, Copper, Aluminium
- (c) 2 transition metals: Iron and copper
- (d) Valency 0: Helium and Argon
- (e) Valencies 2,4,6: Sulfur
- (f) Periodic Table
- 5 (i)  $MgO$  (ii)  $Fe_2O_3$  (iii)  $CaCl_2$  (iv)  $PbBr_2$  (v)  $Ag_2O$
- 6 (i) Dazzling white flame
- (ii) Compound
- (iii) Chemical change/ new substance is formed
- (iv) Reactants: Magnesium and oxygen
- Product : Magnesium oxide
- (v) Magnesium + oxygen  $\rightarrow$  Magnesium oxide