KHAN GLOBAL STUDIES

Most Trusted Learning Platform

KHAN SIR

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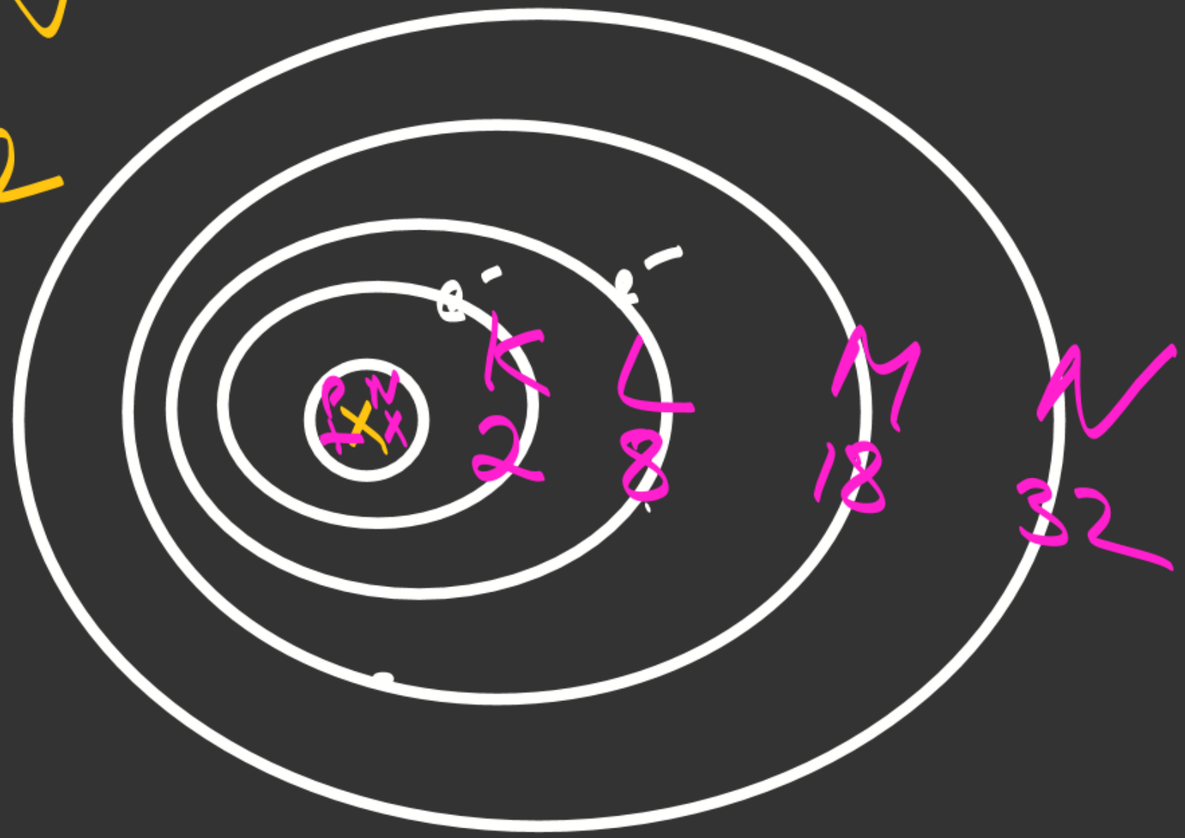
LIVE CLASSES

BY – AVINASH ROY SIR

K L M N

2 8 18 32



Na - 11

2, 8, 1

बंधन (Bonding)

आयोनिक बंधन / Ionic Bond / Electrovalent Bond

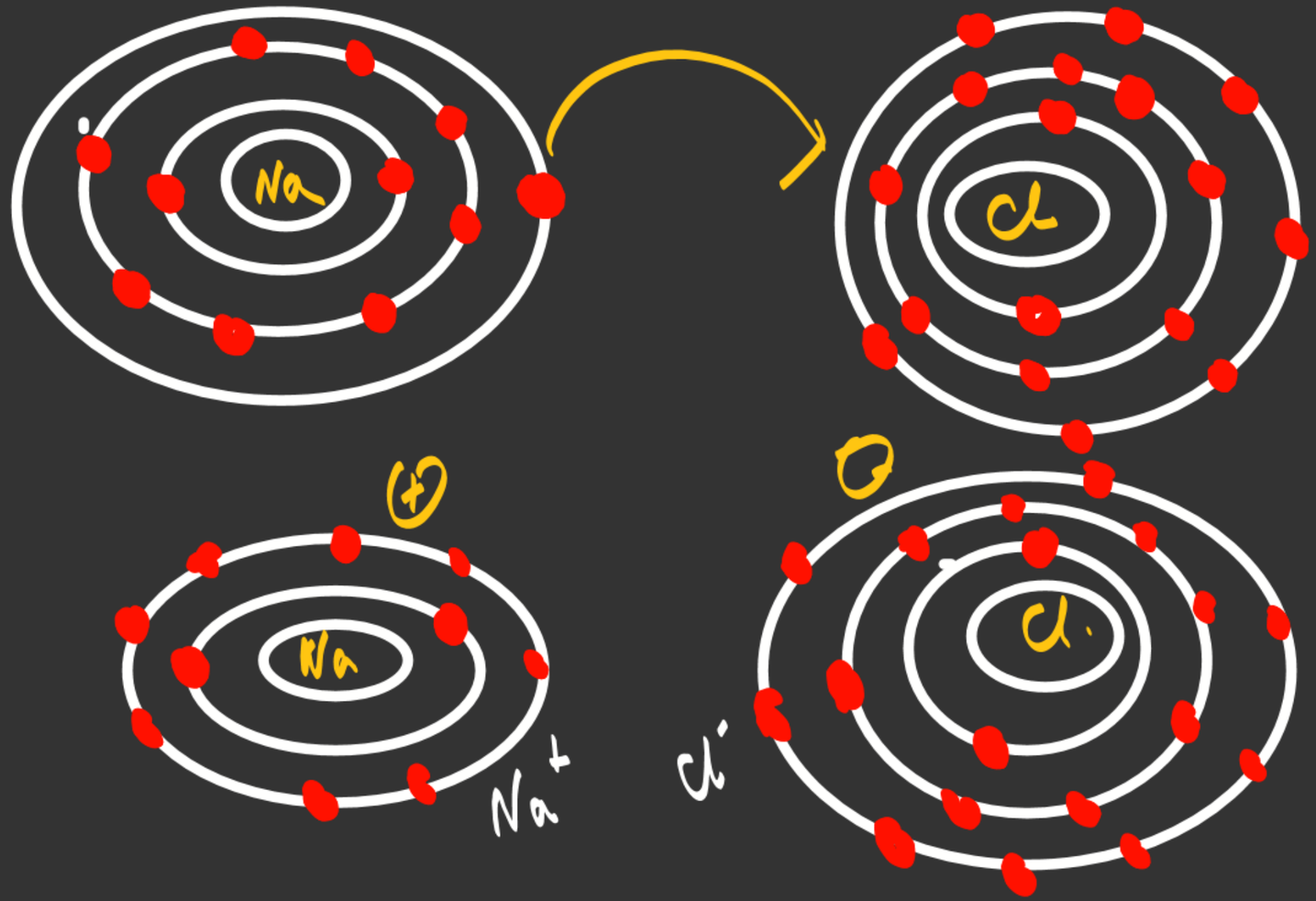
K	L	M	N
2	8	18	32

NaCl

11 → 2,8,1

17 → 2,8,7

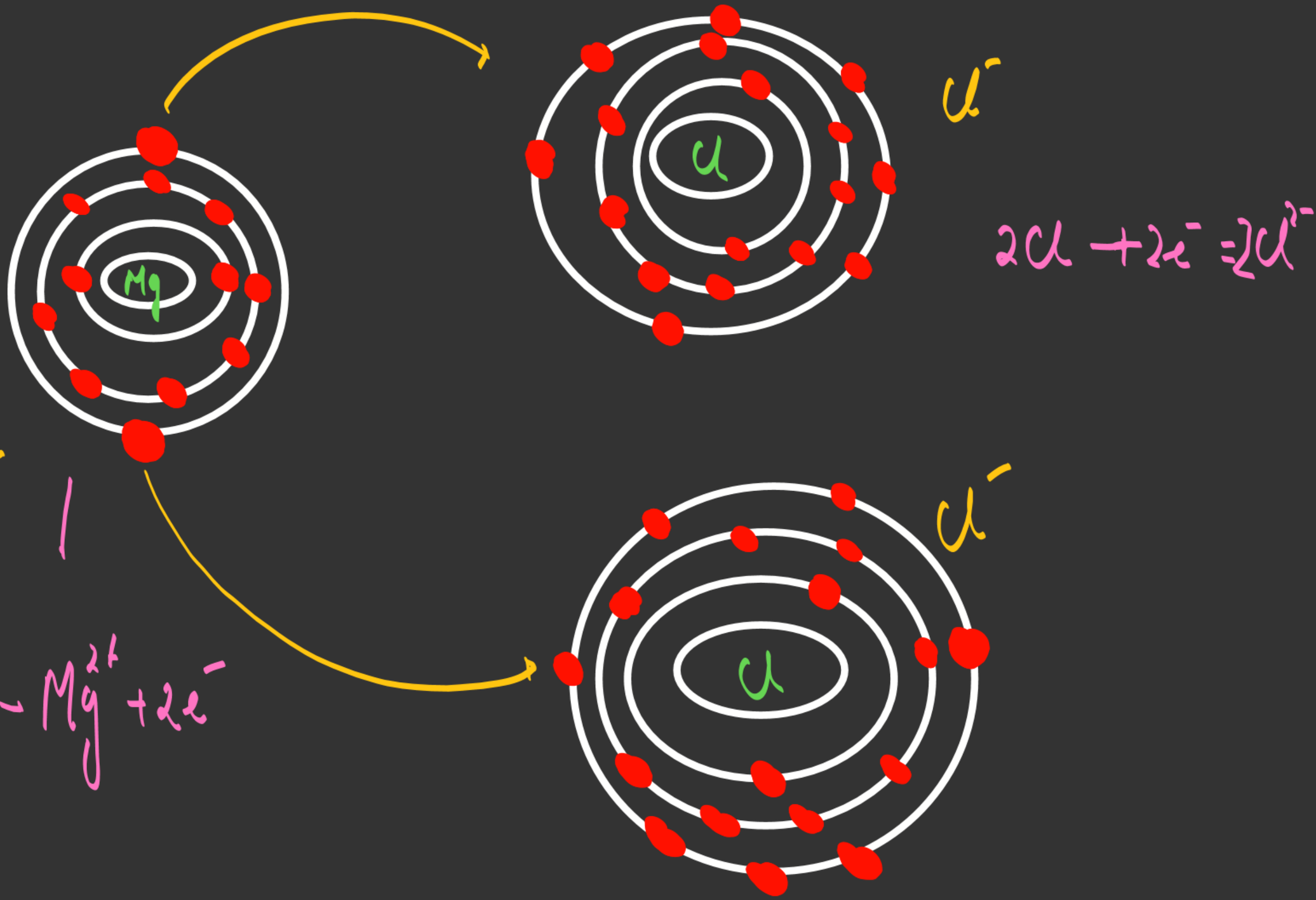
(+) (-)



$MgCl_2$

12 → 2,8,2

17 → 2,8,7



Cl^-

$2Cl + 2e^- = 2Cl^-$

Mg^{2+} 1

$Mg - Mg^{2+} + 2e^-$

Cl^-

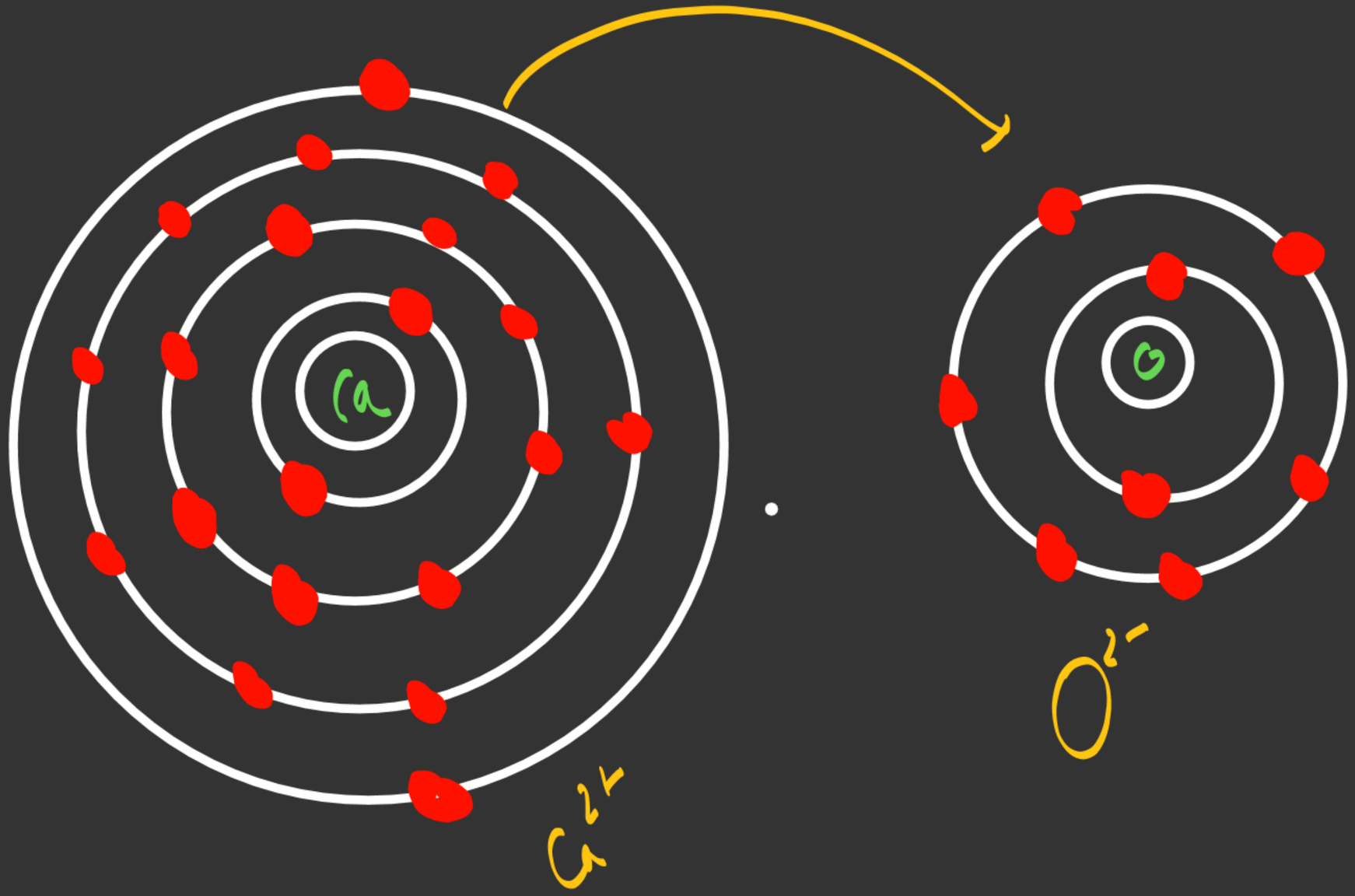
CaO

20 - Ca

2,8,8,2

8 - O

2,6



- High Melting Point, High Boiling Point (उच्च गलनांक) (उच्च क्वथनांक)
  - Highly Volatile (उच्च वाष्पशील)
  - High density
    - Crystalline (क्रिस्टल)
      - चालक (conductor)

- क्षार के साथ रिएक्ट
  React with solution

सहसंयोजक बंधन / Covalent Bond

O - (2)
O - (2)

- Sharing (दान में है)
  - H_2

H – H

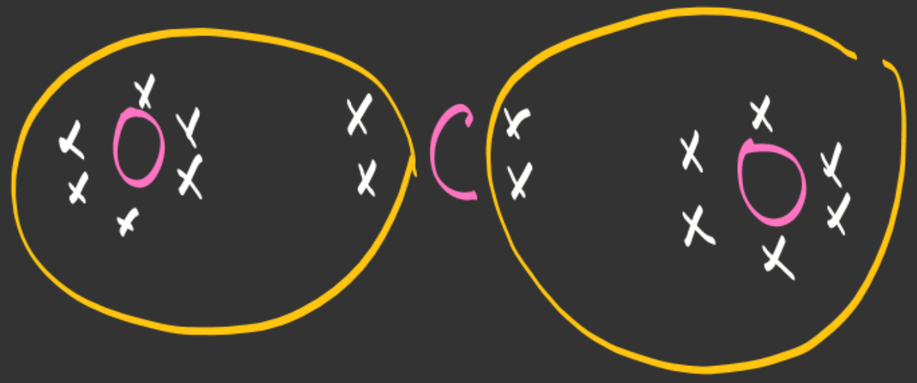
Single Bond.

CO_2

C → 6 → 2, 4

O → 8 → 2, 6

O = C = O - double Bond.



└ N_2

↓

(7) – (2, 5)

:N≡N:

triple Bond.

└ कुचालक (Non conductor of Electricity)

↳ liquid, gas

↳ Low melting Point, Low Boiling Point

↳ पानी —— XX

Insoluble in H_2O

↓

पोलर घोल

Polar Solvent

different mol

↳ Non Polar Solvent

same mol

H₄N..

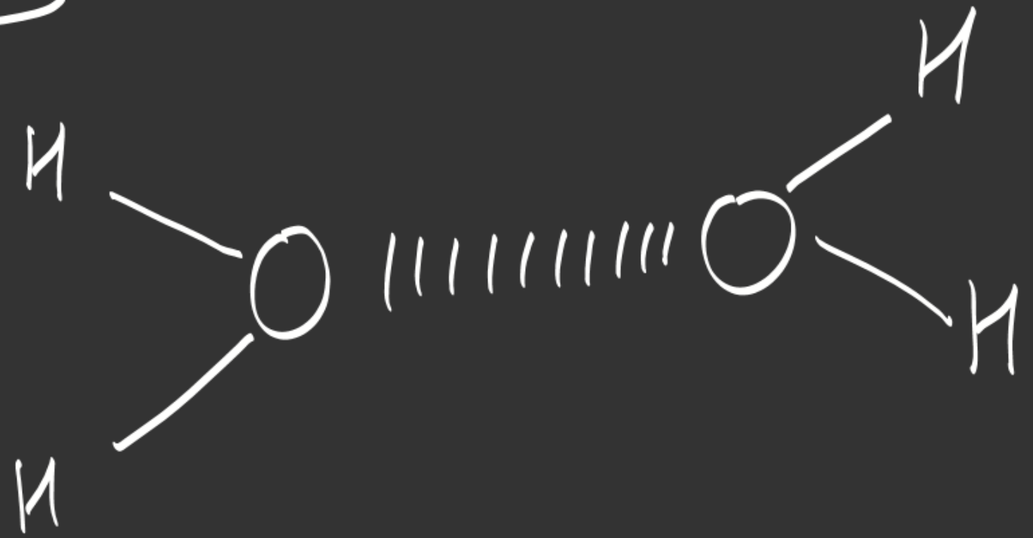
↓

Benzene – द्रव

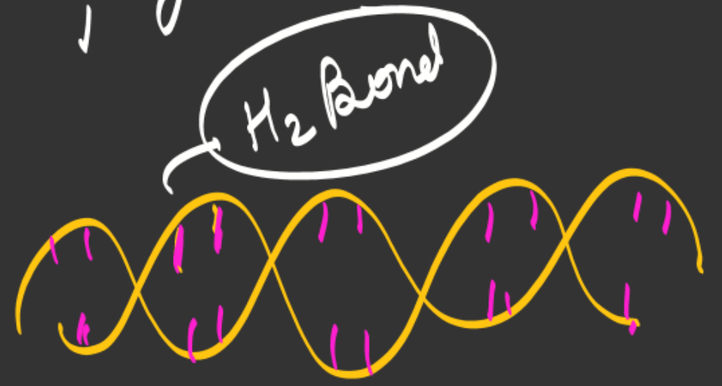
C_6H_6

हाइड्रोजन / Hydrogen Bond

H_2O



DNA
Deoxyribonucleic Acid



↳ double Helix structure
Watson & Crick