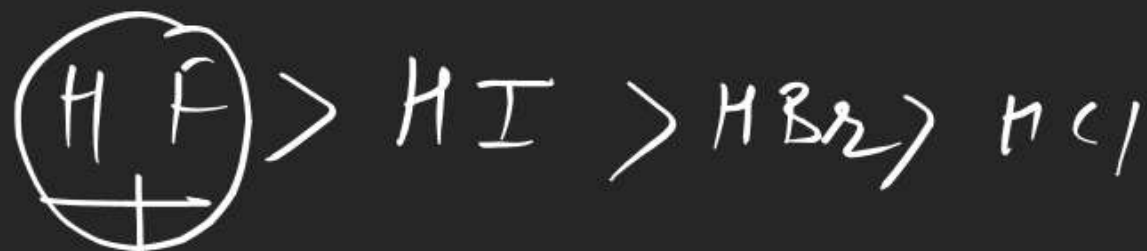


Hydrogen bonding

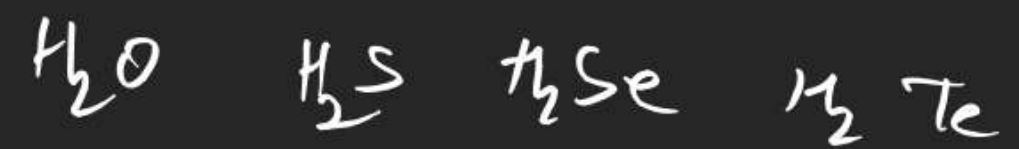
$B.P \propto \text{mol-weight}$

$B.P \propto \text{atl. b/w molecules}$

HF HCl HBr HI



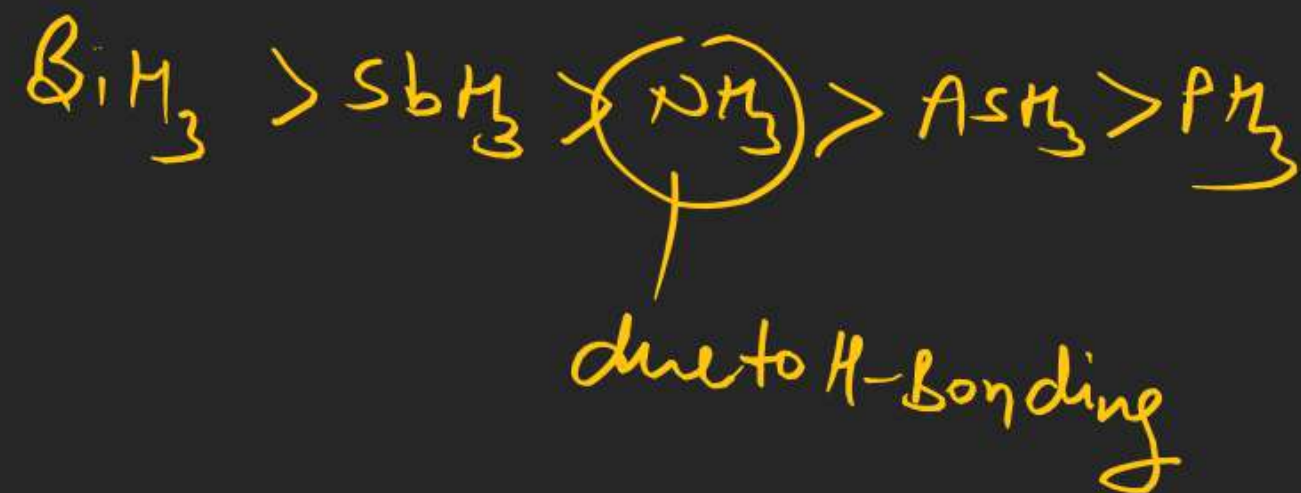
due to H-Bonding

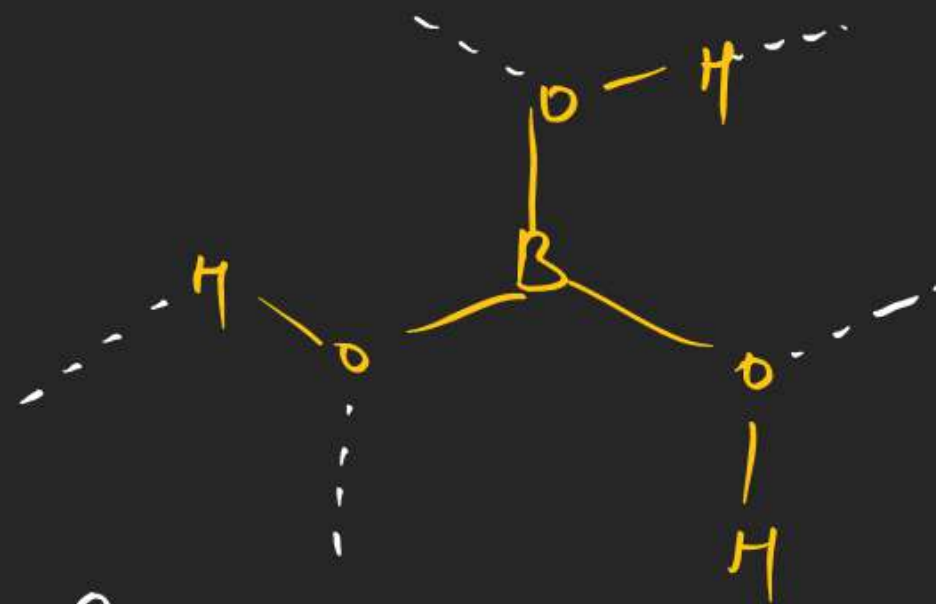


↓
due to
H-Bonding

Ques

B. p order

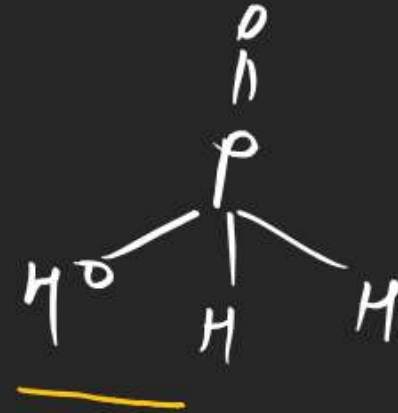
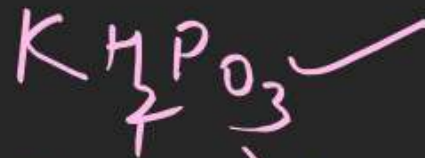
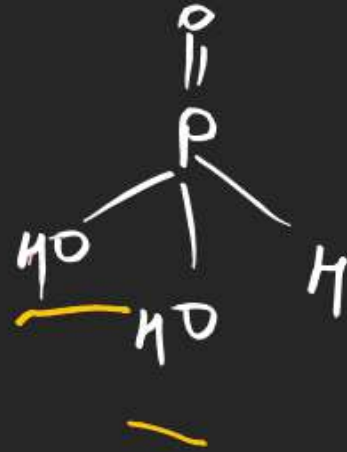
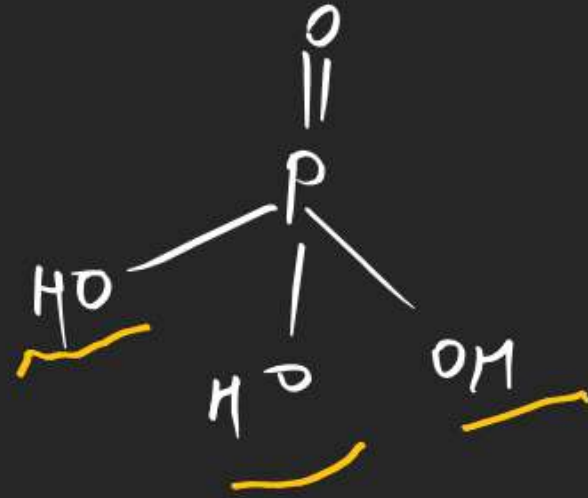




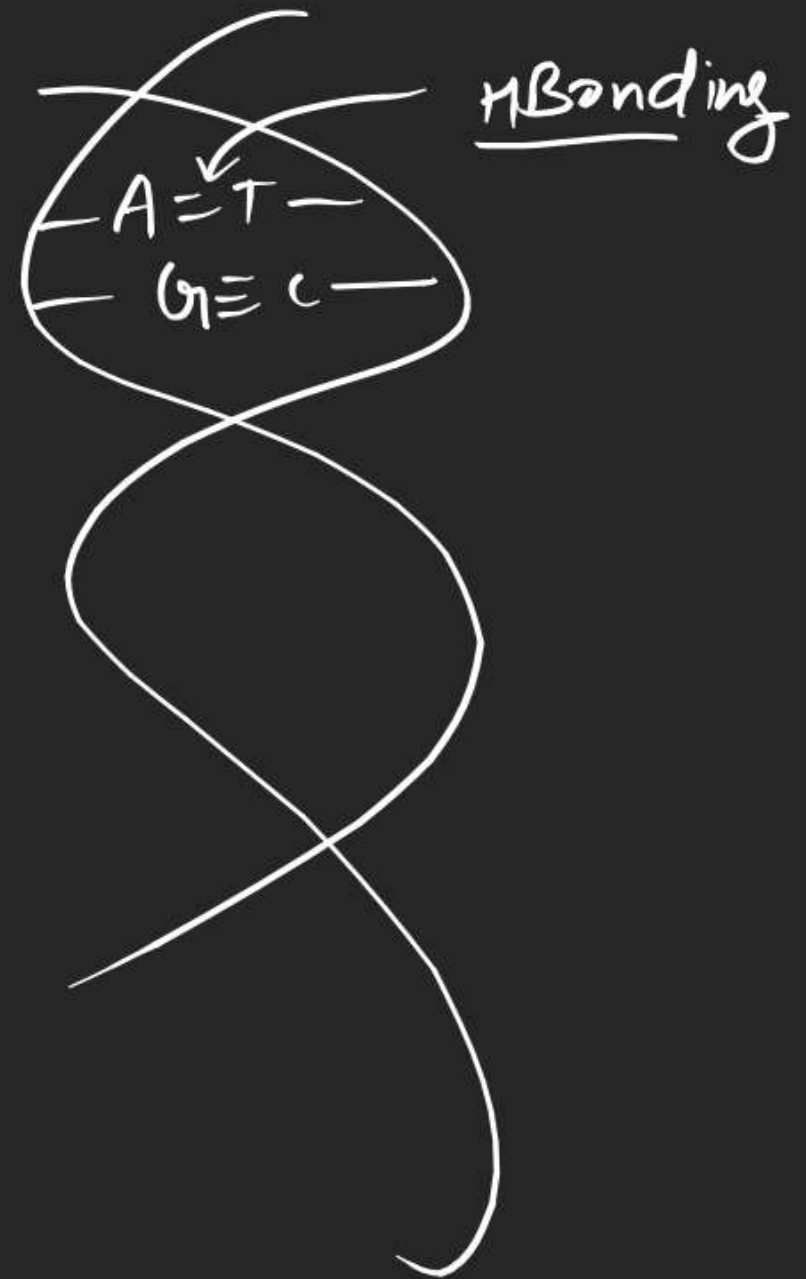
order B.p



Me = CH₃



K = Potassium

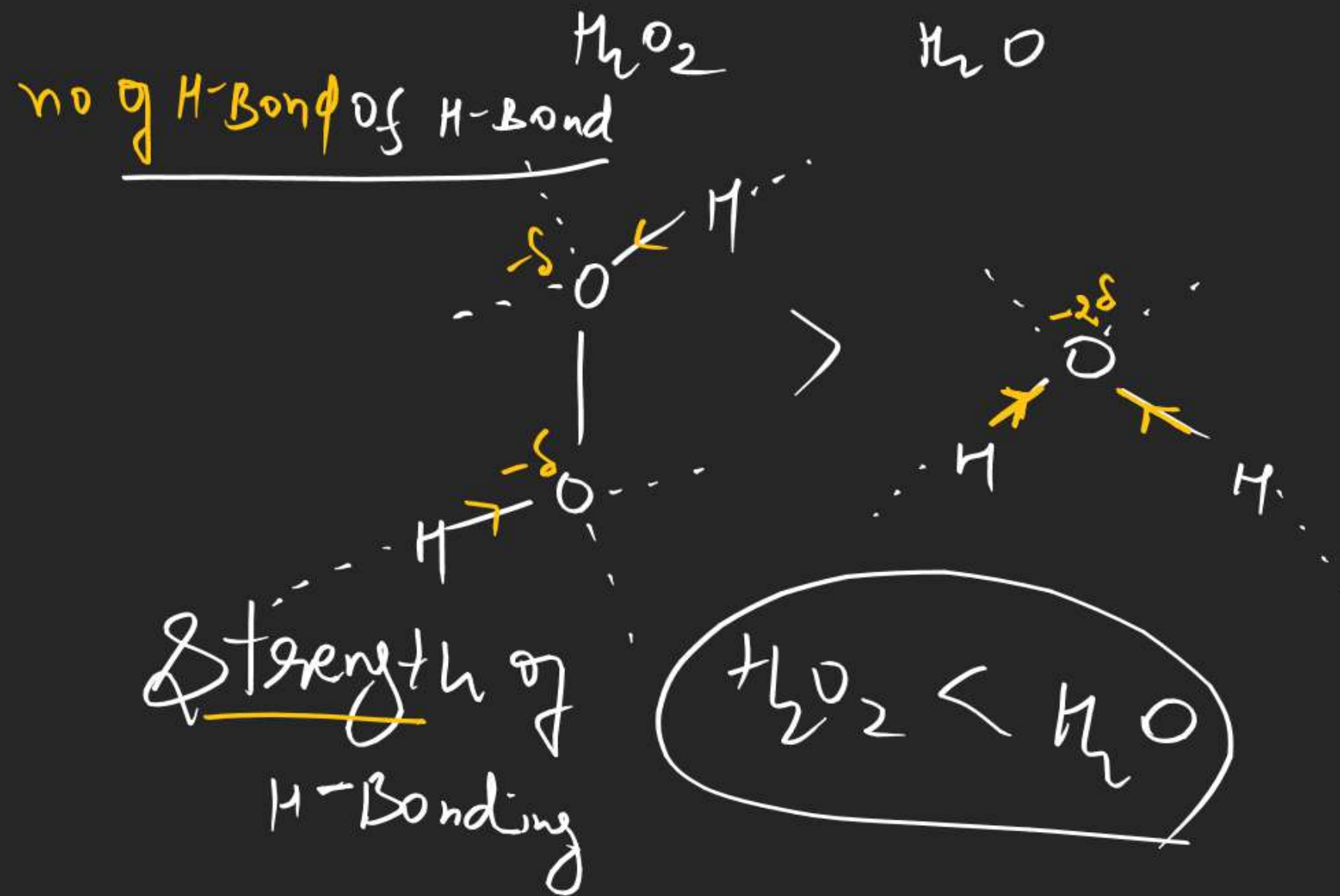


Critical temp \propto att b/w molecule

order.

Q C.T

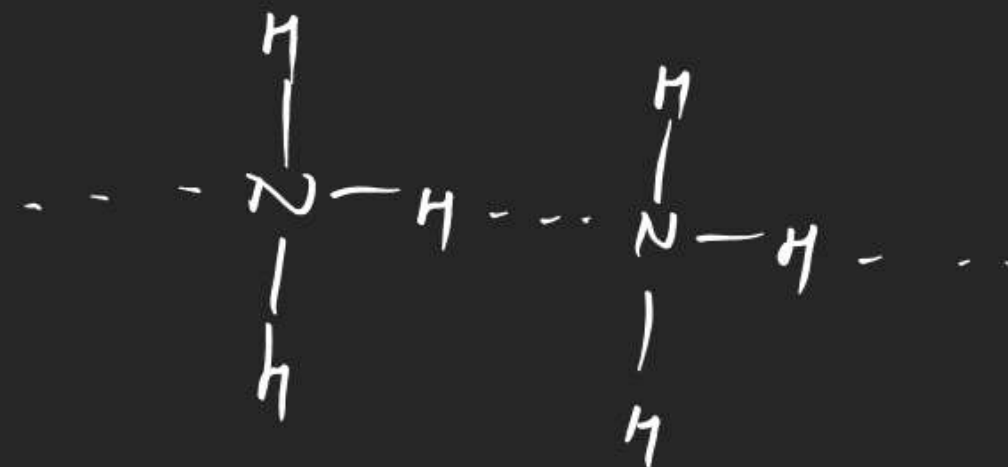
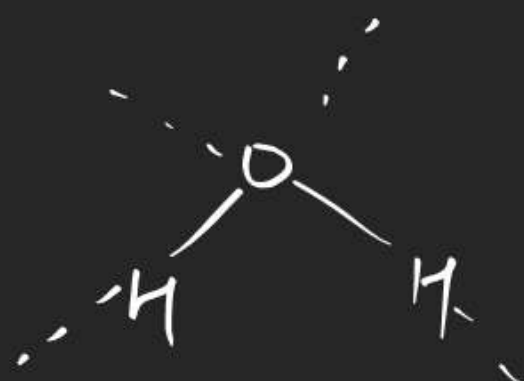
$O_2 < H_2O$



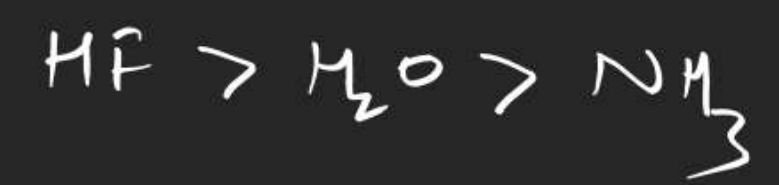
order of B.P

HF H_2O NH_3

$H_2O > HF > NH_3$

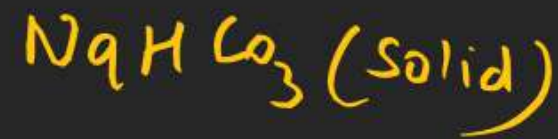
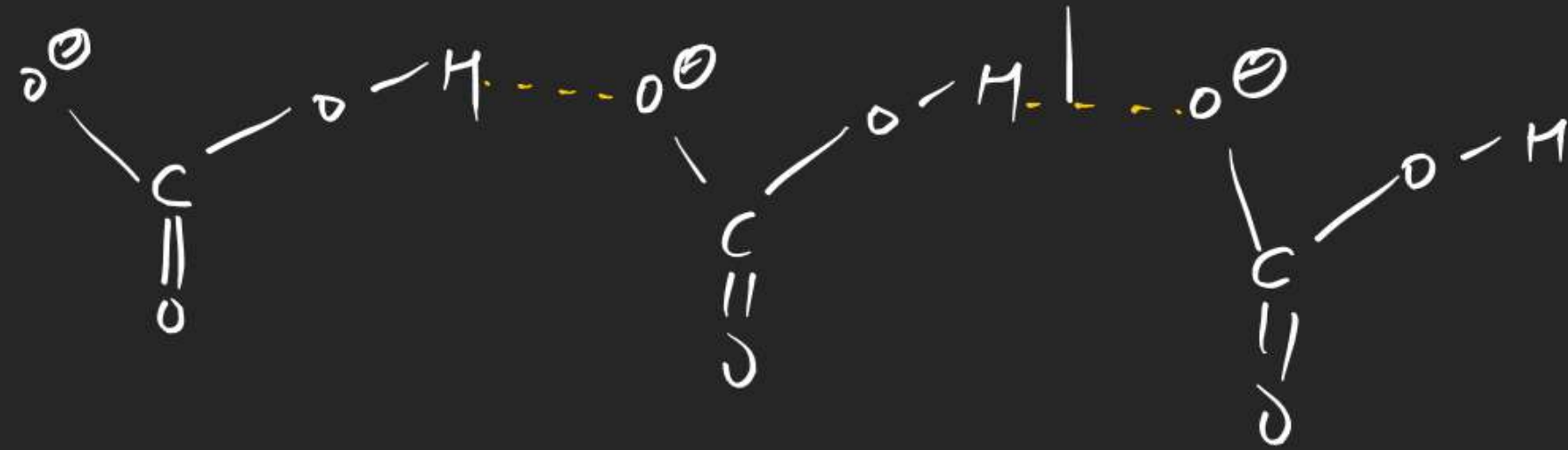


Strength of H-Bonding

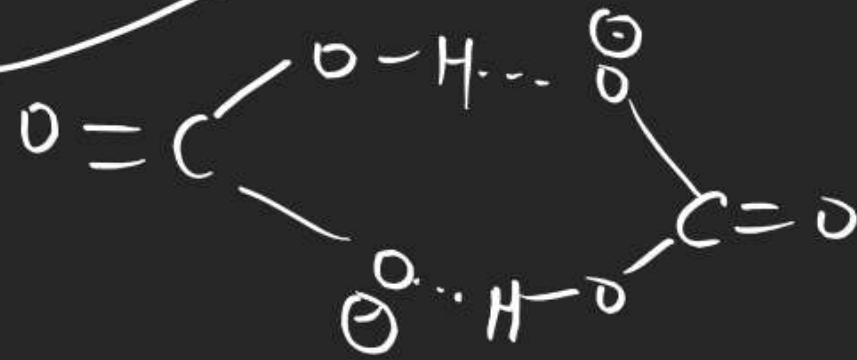
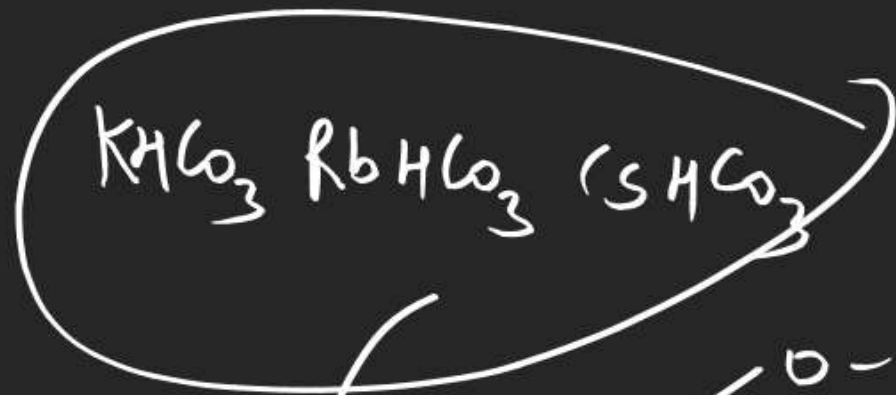




Ion-dipole (H Bonding)



Solid polymeric structure of NaHCO_3
due to massive H-Bond [∞ -H-Bonding]



Compact H-Bonding

