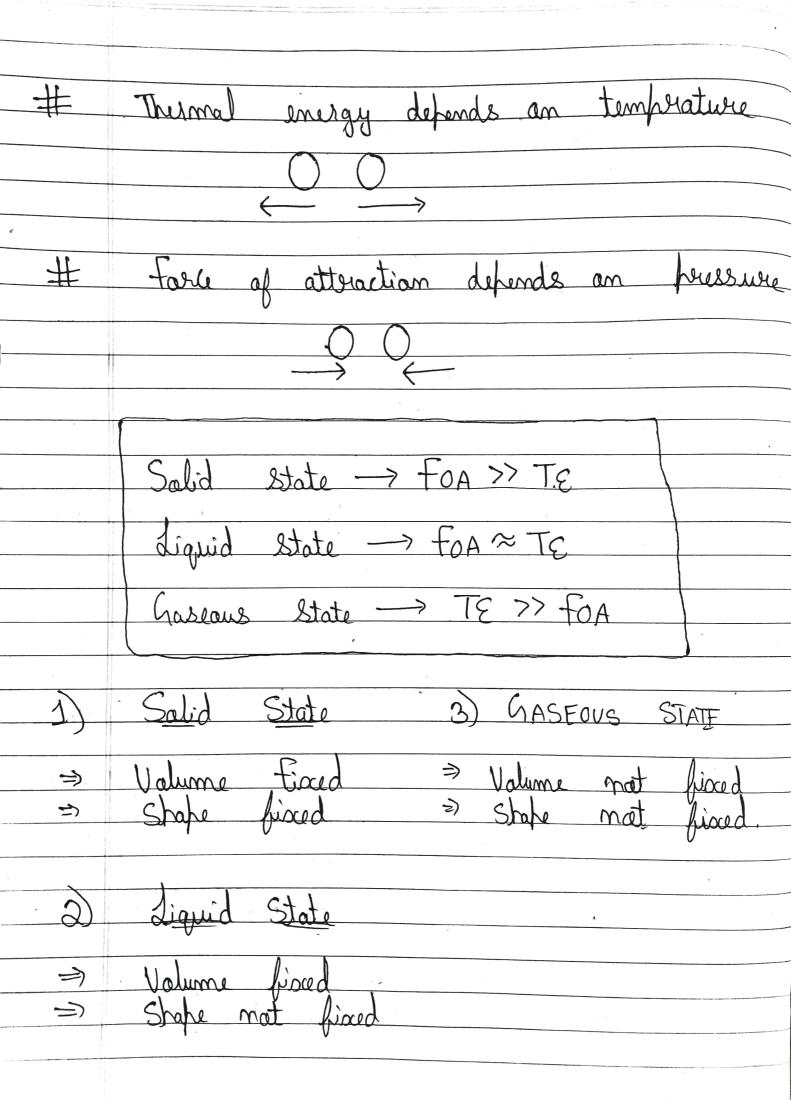
1, 9, 2021 Mottes -> Anything that accupies shale and has mass MATTER --- SOME SUBSTANCE MOLECULES STATE -> function (Thermal energy, FOA)



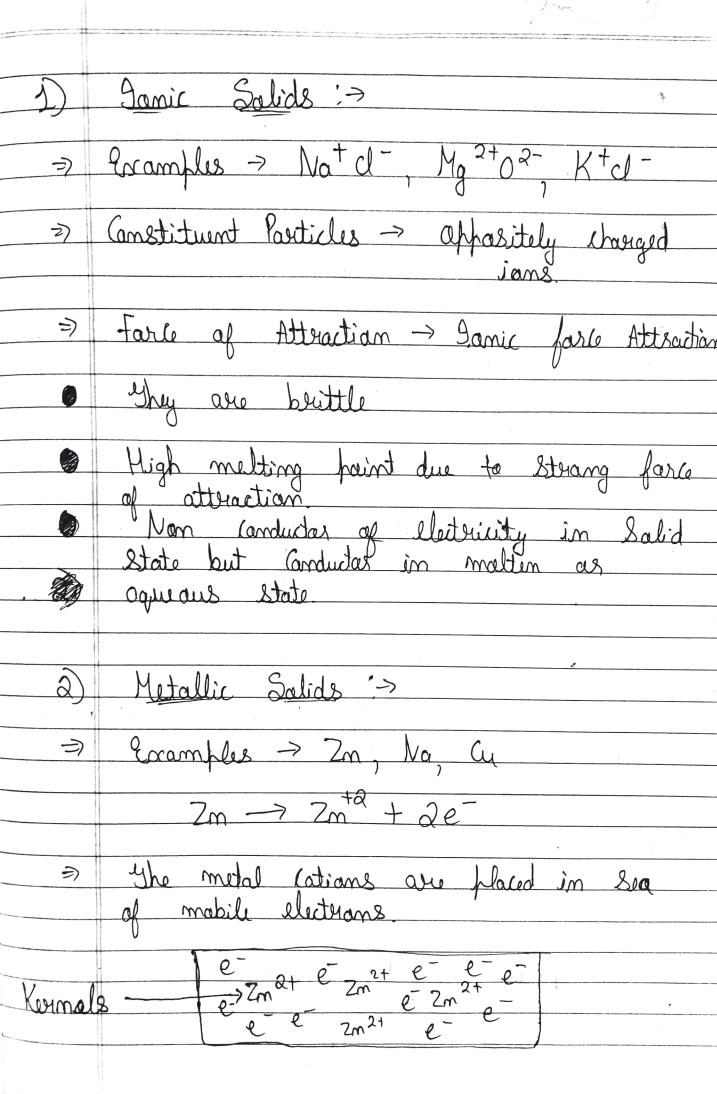
1	
#	State is same as constant if mean pasition is same.
•	position is some.
#	Volume is constant if average distance between both molecules are is same.
	between both molecules at is same.
	SOLIDS
	ALLOCOU
	CRYSTALLINE AMORPHOUS
	CRUSTALLINE VIS AMORPHOUS ">
	CRYSTALLINE V/S TYTORTHOUS.
1	On the basis of averangement;
(ال	With the man of well and the
. 3	Amarkhaus -> Shart Irange ardes
=)	Amorphous -> Shart range order.
3)	On the basis of Melting paint:
Ð	Amorphous -> Ronge of Melting points
	Amarphaus -> Range of Melting paints. Buystalline -> Shown melting paint.

(b)	Amarphaus -> Asstrapic Arisatrapic Anisatrapic
y) =) =)	Om the basis of cleanage: > Amarhaus -> irregular plane. Grystalline -> Smooth plane.
	SOLID Condensed State of Matter LIQUID FLUIDS -> Particles Can make GAS
	Amorphous Solids -> Super Looled Liquids Pseudo Solids. Amorphous Coal Cabe
	CARBON Diamand, Graphite

	Quarts - Sio_	-> Quarts ylass
	(bystalline)	(Amaryhaus)
	· ·	
VOTE >	About 99% of Salids our registalline so it's to remember all of the semember Amorphous s are limited in nature	in our world
	La les souls & all at the	mai passible
	Quanta Amore la have	lalide as they
	alle limited in noture	on as
	William Ville	
	AMORPHOUS :->	
		C A a
=>	Rubber, glass halyme plastic, teflan	s, Alaphane,
	CONCTAINING '-	
	CRYSTALLINE :->	
コ	Zndz, Na2Soy, N	acl, Benzene, Au
	and many mare	
	Melt -	Slove
	Δ	Slave L'Cading > bystalline
	A	- \ \u. \talling
	Amarphaus -	Ny si accinite
	Fast	
	Cooling Melt	
	Δ	

Toping .

the Con Consust any Amarphaus Salid
to Crystalline by melting it and then
Caoling it Slawly. Slaw Cooling gives
time to molecules for an perfect
aurangement and to Consust Crystalline
books to amarphaus, los melt it again
and Cool it fast fast Cooling will
not give time to molecules for awanging. Classification of Oystalline Solids: CRYSTALLINE SOLIDS TONIC METALLIC MOLECULAR COVALENT SOLIDS SOLIDS SOLIDS SOLIDS Cavalent Solids are also known as #



•	the melting faint is fairly high but it is comparatively less than ianic solids.
	Solids.
	unlike the ianic Salids, they are ductile and malleable.
	when the footential difference is applied, the mobile an electrons can make, making the metallic Solid a good conductor.
	MOLECULAR SOLIDS
	Polar Non-Polas H-Bonded Molecular Scalids Molecular Salids
a)	Palar Maleaular Salids:
⇒	Examples -> Hel, Soz
- 2)	Difale mament > U > 0
->	Melting faint -> Less

-3	Hardness -> Saft
टो	Hardness → Soft Farle of Attraction > Dipale - Dipale
b)	Nan-Palar Malecular Salids >
シ	Examples -> Soz, Coz, Al
ج)	Difale mament > 4=0
ョ	F.O.A -> Landan Farces
- >	Melting paint > Less
ョ	Hardness -> Saft
Ĉ)	11- Banded Molecular Solids :>
चे	Poramples -> HF, NH3, H20
चे	F.O. A → H-Banding.
<i>⇒</i> >	Melting fraint -> Comparatively ligh
રો	Hordness -> Hard
#	$\begin{array}{c} 0 \\ H \longrightarrow N \\ \overline{+} \end{array}$

Y)	· Covalent Solids : >
7	Melting paint -> Very Ley high
ન)	Hardness -> Bhat Hard
3	Conductivity -> Bad Conductors of Electricity
	m?
	EXCEPTION -> graphite
1)	good landuetas
<u>a)</u>	Soft Solid
3)	Soft Solid

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 F^{-}