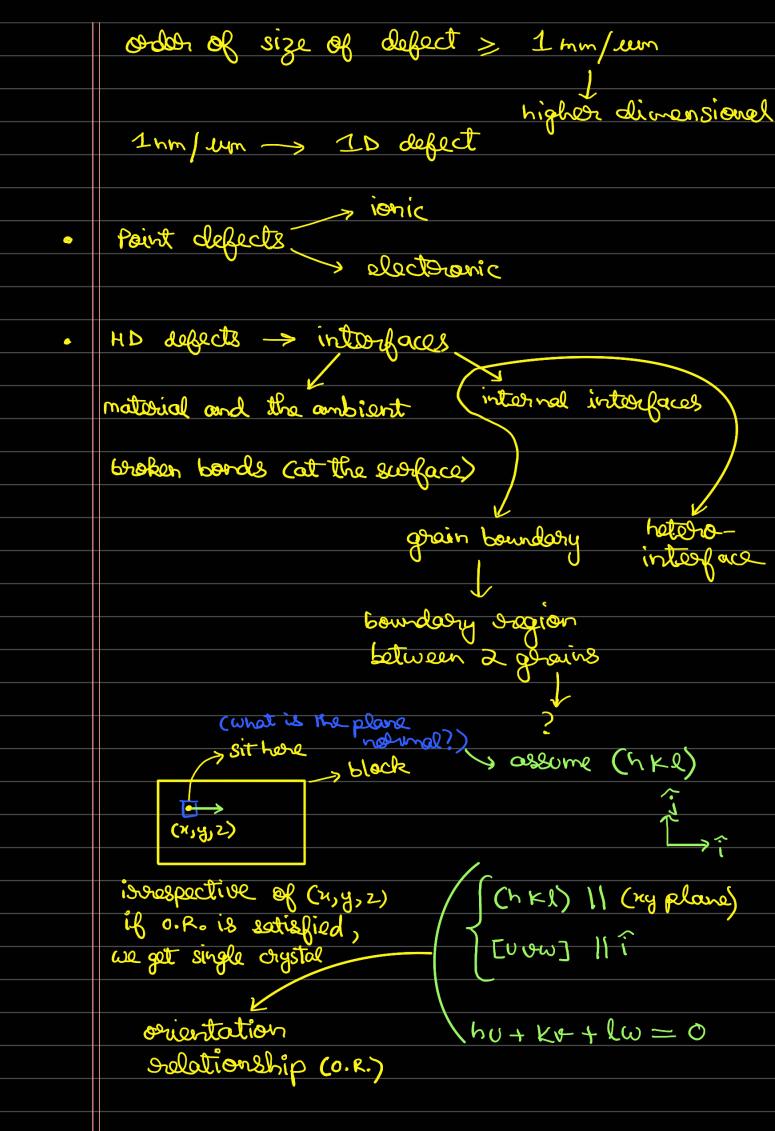
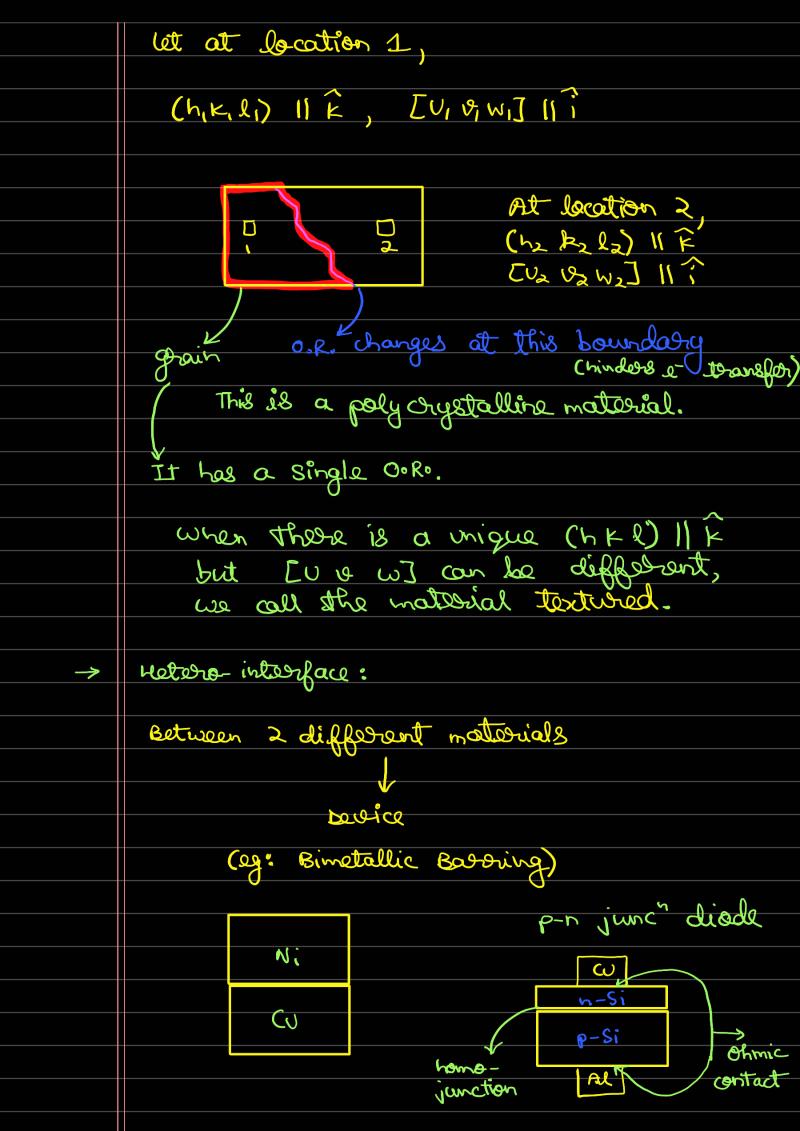
	Day-19
→	bescription of perfect crystals
	Characterization of a material - XRD
	Stooting point -> real orystals
	V
	Porfect Crystals + poperts
	intereduced in
	thom
→>	Dimensionality:
	U
	· nighon dimensional defects (HD befects)
	· 1-b defect
	· O-D defect
	2h o Maid meho
	line defect
	crack propagation
	point defect dislocations
	stress concentration at
	abornation Plostic a soid.
	in the deformation
	crystal in materials
	Structure
	at a location
	vacancies, interstitials, e/ht
	La electronic devices





→>	insulating materials
	insulating materials
	Paraoskite
	1
	La Alo3, Sortio3,
	Insulators
	,
	Tapping the scorface -> became metallic
	metal -> 20 electron "gas"
	Collection of a motor is adolled -
	collection of et in metal is modelled as ideal gas (3D et gas)
	10000 Jan (3D & 390)