

AS Biology

Unit: Cell membrane

Contributed by Saima

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	mosaic model.
	phospholipids and and solved due
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	hydrophobic & hydropholic
	movable 99% moveable interactions
	+ increasing temp -> increases kinetic energy -> mobility increase
ajid	
	denaduration if memb: since it does not remain intact Sajid

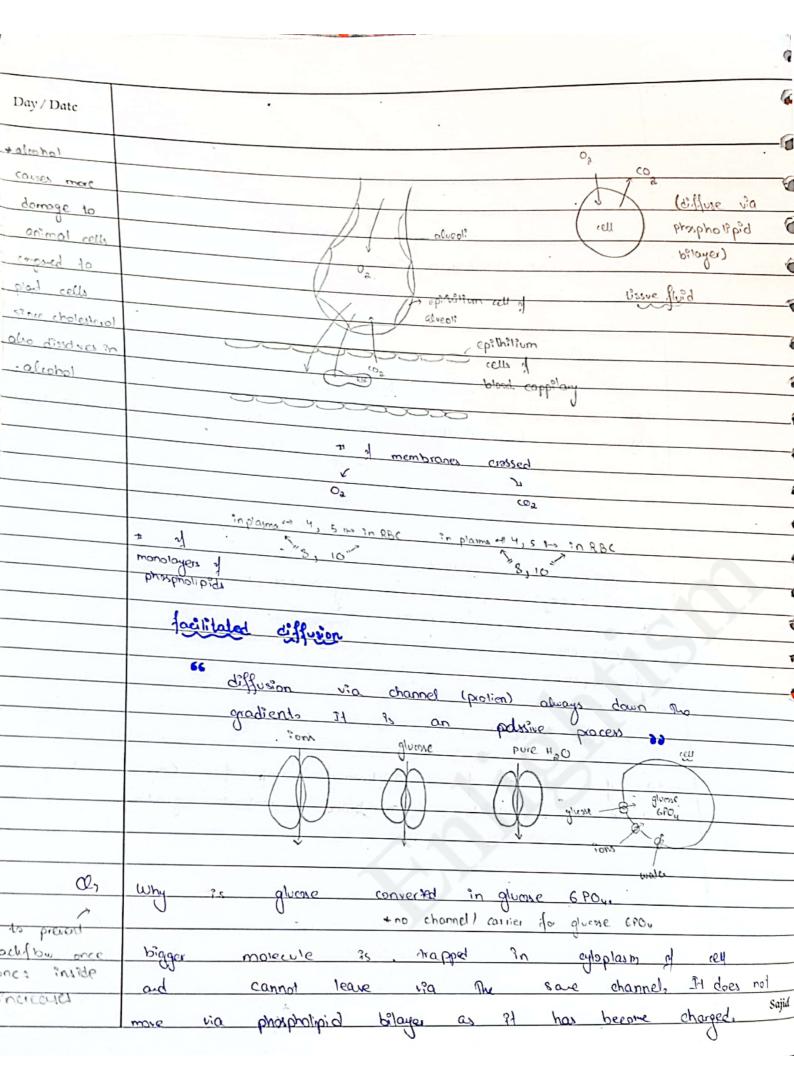
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	freeze foreture technique
	Cell membrane & fluid Phesefore it is difficult to
	keep the cross section, we
	hard, easy to cut the cross section, we have becomes
	hard, easy to cut the cross section This is called
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	membrane contain 80% protien and 20% ofter Things Cy 80% phospholipid). mglan sheall contains
	& son & pharpholipid). mobile
	(cholestero) & phasphalipid). mgkin sheall contains 20% protien
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	enance Pou philiz, charged, polar greed phobic, uncharged, non polar toil phobic, uncharged, non polar (hydrophobic interaction percel) membrane rigid Juid

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	it's position while	on changing 13
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		it's shape
	-> allow: 11,0 soluble	Things -> 4,0 solvate as well
		as H,0 insoluble.
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	only permeable to	receptor for protien (signalling)
	water	antigen (attached on cell membras)
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trials .	The state of the s	Sajid
	7	clection

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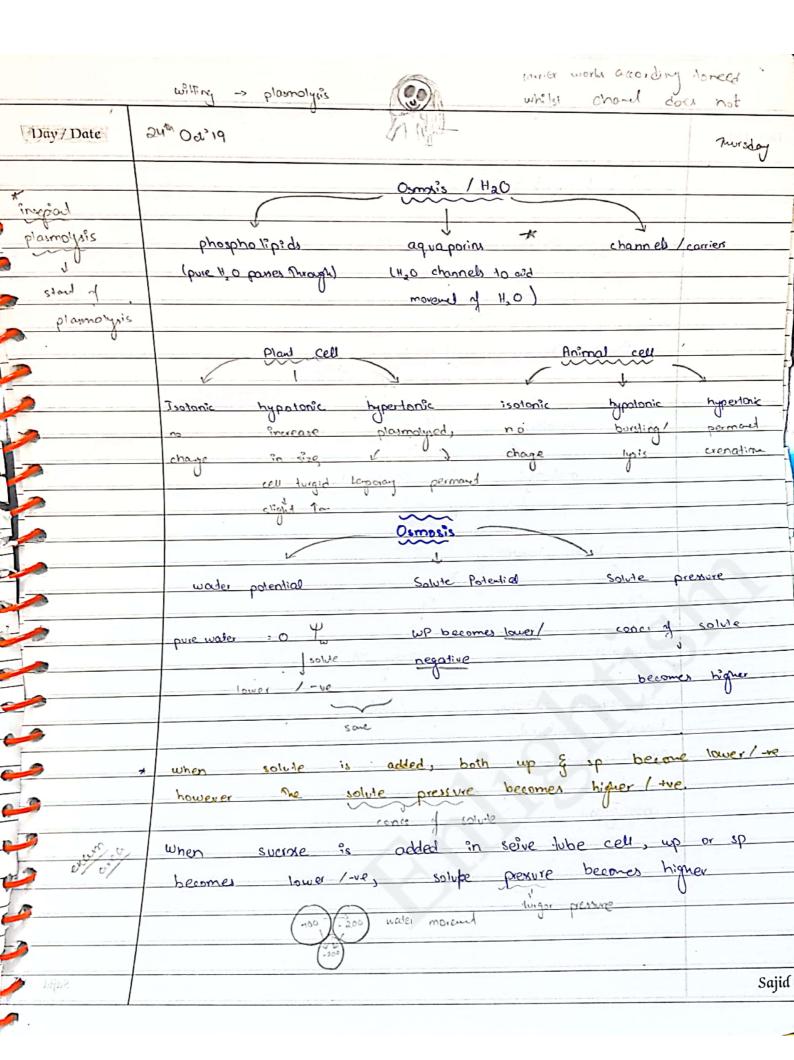


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	to ions, under & salts, what should be it's co	paition.
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0	Cell membrana 1 .	A G OF L GIO
	facing facing	blood cappilary contains Na / K'
	pump (ATPaxx)	and cappilary contains No / K
	3 Nat ions enter The	blood, in redurn 2k ions ender
	The cytoplasm . Kt :ons	blood, in return 2k ions enter

Day / Date di fousion. due to the movement of Nat ion from the cytoplasm, There is deficiency of Na ion in the cytopiasm of To maintain The conce of Nat ion. in The cytoplasm. Na' ion with glucose enters The cytoplasm co-transporter proter or sympother (a channel from which a nings pass at a time) ions are charged sons. They produce a dragging force or driving force which takes quese with it from cytoplasm, glucose enters the blood via facilitated diffusia Secondary active transport depends for 31's working transport. No active transport mean no secondary active transport. (1) When Nat ions enter into The cytoplasm, water potential becomes lower or more negative. To maintain it, under rushes from lumon into the cytoplasm, back into the blood via aqua porin. Reabtorption also occurs. biojou bamb transport in plants -> proton pump & DTP needed (adive tramport) sucrae diffuse & Officia "" V 2 day adive transport The ough plasmodes suane co-transporter protien ATP not needed (facilitated diffusa) seve tube companion cell Sajid

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	we can say The mentrac grown	S

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Cell Signalling: (100 2000) leagin	
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win csm of Bre cells.	
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> csm's permeability increases	
- glucose comerted into glycogen	
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UU signal (hormones) Protein Steroid molecule glycol:pid celi entar cel csm on receptor (office biogies) panes non polar toils cell p-0- Signal (prolien) nucleus protien a. Binds membrane Adivala Activates prolien Converts ATA Cyclic Convert enspres inactive 3 enzyme 1 enzyme 2 on misporpardio 69691192 switches gene more ATP metabolism 1 outside transcription stails 1 Sajid

	29 ^m 00'19	Tuesday
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	Charge trade and the second and the	- Land Berger
	Cell membrane O's	60.71
a,	what are entracellular and intracellular enzymess	
	outside, enzyme 4 work inside, help	10
Crae.	in signaturing cell signaturing	
		7
		- Marko
0	works on RBC.	(apsence)
	Can d'ssolve / damage	
	as phospholipids bilayer marier	
	channels ism channels ism carriers thun & against grad	
	what will be effect on working of RBC if	in house
	a unionitioned moder exters, lysis happen	y (haemol
	b) givene g ions will have on initing up will drop	
-	water will also just in, lysis sours	Sajid

Date	portion of the state of the sta
	1) Woder enlers, bursting.
	scenaria: cell wall of a plant cell daneged
	ices will not burst.
· @,	
10000	and why is it destroyed?
or steroids	well be denadure. OR/
alus	dation worn out milochandria. It will emount.
æ,	Euplain how me structure of pharpholipids allows The formation of phasp holipids bilayer of cell membrae.
	head phylic downeds water, phobic bulls care close, phobic interactions created, bilance mades
Ø,	RBC placed in Nacle solution is crenated because
	Euphain how this RBC has shrivelled. [3]
	placed in hyportonic, water moved out, cell crenates, euro primoris

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	* possissioning of a cell into 2 is	cyloleirases.
	* boisinguing if a second	J
	damage chemicals are	produced
0,	Following liver lisque damage chemicals are and released into circulation. Those chemicals	als
	are able to stimulate liver cells	do
	help tissue repair. Euplain now this	is an
	evample of cell signalling.	[37]
	signal from blood, planna. Birds on liver cells	INIT DIE
	gene activated trapit repair is mitalial	ies
	of ensure controlled reaction, cell dis	ides
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2/	De Maria	
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a	os with reference to figure outline the process of cell signalling.
	> non adicular secreted (exocytatis) > bind on receptor > book & key -> within cell ATP . AMP (2nd ment) -> calcium channel is spend
	humane opened
Q ₁	The cylic timp (270 men;)
	Inactive protien -> active enzyme -> active enzyme ATGL adoptose triplycero
	as Name the bond broken by active ATGL to beau
	PN-NEX
	b) Name & outline the process by which fadly acids
	facilitated diff: / active transport (any one)

	dipocyte. With ref: to fig: ordline procen if cell signalling.
	and the state of the same of t
	Marin years and the second of
	the state of the second of the
-	d) All adiposyte use fals on source of energy why
	does not have enzyme, nucleus,
	Visition Comment Comme
	astine wall on the two was a second of
	a surfactant that helps
- 1	do prevent collapse of alreals on exhaustion. Too much
	surfactant decreases efficiency of gas released by
- N 1	immine sustem
	some cell grimmer surfactant is Then broken surfactant is Then broken surfactant is Then broken always aluatant macrophage. Receptors GmocsE are on down by aluatant macrophage. Receptors GmocsE are on
	alleplar metage
	now maintaining correct quantity of sortained
°	is result of cell signalling process.

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