



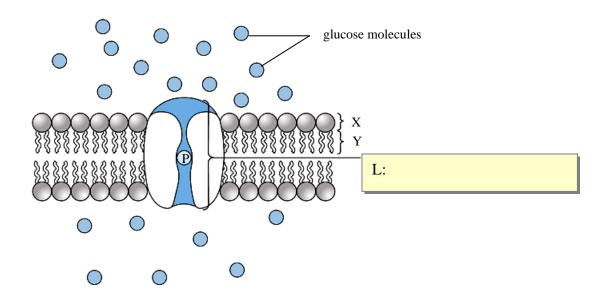


CHAPTER 3: MOVEMENT OF SUBSTANCES ACROSS THE PLASMA MEMBRANE



Paper 2 (Section A – Structured Item)

1. The diagram below shows the fluid model of the plasma membrane.



(a)	i.	On the above diagram, name the part labelled L.	[1 mark]
	ii.	State the function of the part labelled L.	
			[1 mark]
(b)	i.	On the above diagram, draw an arrow to indicate the direction in which I (a glucose molecule) is moving.	ich P
		(a gracose morecule) is moving.	[1 <i>mark</i>]
	ii.	Explain your answer in (b) i.	
			[2 marks]

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NEXUS SPM BIOLOGY FORMS 4 & 5

Page **078** (Extra Practice)





	111.	Explain the mechanism by which P moves.
		[2 marks]
(c)	i.	The parts labelled X and Y make up one phospholipid molecule. State one important chemical property of X and Y respectively.
		X:
		Y:
		[2 marks]
	ii.	State two properties of the glucose molecule that make it impossible for the molecule to diffuse through the phospholipid molecules.
		[2 marks]
(d)	Exp	lain how oxygen moves across the plasma membrane.
		[2 marks]

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