	Name:	
A me	embrane that allows some substances through is called a	
What	t is diffusion?	
Give	the full definition of osmosis.	
7	Three cellophane bags were half filled with a 2°	%
·	sugar solution. The bags were then placed in the	
	different solutions as shown in Figure 13.13.	
	Cellophane bag Cellophane bag	
D	2% sugar solution 10% sugar s	colution
13	3.13	
	(a) Which solution is (i) more concentrated, (i concentrated, (iii) the same concentration reference to the contents of the bags?	
	(b) Explain, giving reasons, what will happen to mass of each bag.	o the
(a)	(i)	
	(ii)	
	(iii)	
(b)	A =	
•	B =	
	C =	

	•	_
•	B	-

(a)	(i)	In relation to structures such as the cell membrane, explain the term selective permeability.
	(ii)	Suggest an advantage to the cell of having a selectively permeable membrane.
	(iii)	Name <b>two</b> substances that enter a human muscle cell by diffusion.
(b)	(i)	Explain the term turgor.
	(ii)	Give a feature of a plant cell that allows it to remain turgid for long periods.
	(iii)	Suggest a way in which turgor is of value to plants.
Q.6 WI	hen de	monstrating osmosis:
1.	For w	hat purpose did you use Visking tubing, potato tissue or some similar material?
2.	At the	end of the demonstration, how did you conclude that osmosis had occurred?