Name:	Class:		1 1	1 1
	Total Possible	Marks: 27		• • •
Diff	usion			
	Diffusion is the gradual movement of part concentration, is this true or false? A True B False	icles from area	s of low concentration to	o areas of high
2	If a person releases an aerosol of air freshit first. People on the far side of the room of diffusion (and in particular using the dediagram or write a short paragraph explain	will smell it but efinition) and co	t it will be much later. U Illision theory, draw and	sing your knowledge
3	they allow certain (d) substance diffuse through cell membranes, such as (Larger molecules like (j) and (k)	es to pass acros	ss them. Only very <u>(e)</u> , <u>(h)</u> ac	molecules can
		starch	oxygen	proteins
4	Which of the molecules shown below can Glucose Protein Amino acids	B D F	the walls of the cell me Water Starch Oxygen	embrane?

situ A. 1	u are in a nightclub, the DJ activates the smoke machine during a dance. The smoke machine is uated at the front of the stage. Explain how the smoke reaches the people standing at the far end of the room. 5 minutes later the DJ activates smoke machine again. Explain how the rate of diffusion of the smoke is now different from the first time the DJ activated the machine.
1	- · · · · · · · · · · · · · · · · · · ·
- 7.	
. /.	
	A 1.0 mol/dm³
	e diagrams show 3 cells in different glucose solutions. The concentration of glucose inside and tside the cell is shown in each case.
A.	Which diagram shows a situation where the net movement of glucose will be out of the cell, would it be A B or C?
B.	Explain, in a few lines, your choice for part a above.