

1 Define diffusion (remember to use key words)

Diffusion is the movement (spreading out) of particles from an area of higher concentration to an area of

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lov	ver concentration.			
				[2 marks]
2	Name 3 factors that will affect	the rate of diffusion		
1)	Concentration gradient			
2)	Area over which the particles are d	iffusing		
3)	Distance of diffusion			
				[3 marks]
3	Cells are surrounded by a cell membrane. These can control what enters and leaves the cells because only			
	very small molecules in the solutions either side of the membrane can diffuse through.			
	Tick the molecules below that are	able to diffuse through cell i	membranes.	
	Amino acid	Water	Glucose	
	Glucose	Oxygen	Starch	
				[3 marks]
4	Name 3 places in an animal or 1	olant that diffusion or osm	osis takes place	
Ex	ample - Water is absorbed across t	the wall of the large intesti	ne in animals.	
1)	Glucose across small intestine			
2)	Oxygen or CO2 across alveoli/cap	illary		
3)	Water in roots of plants (osmosis)			
Ma	ny more			
				[3 marks]
				[Total - 11 marks]