## **Membrane Transport**

	The	first is transport wl	transport which does not require			_ as it simply requires a	
		gradie	ent. Specifics in	clude:			
	(i)	diffusion, which i	s the passage of _		_, non		
		molecules directly across the		bilayer. Tv	wo examples	of molecul	
		that can pass this way are	and		(gases).	This metho	
		of transport is not, be	cause only the	and	of the n	nolecule is	
		relevant.					
	(ii) diffusion is the passage of,						
	molecules through a protein. An example of a molecule					that can pa	
		this way is which can pa	ass through a				
	As the name implies, these open in response to changes in					1	
		This means i	t is not a	all the time. Tl	nis helps exp	lain how a	
		can be permeable.					
	(iii)	is the r	novement of wat	er molecules a	icross a		
	permeable membrane. Water will move from an area of sol					solute co	ncentratio
		an area of solute concent	ration, to	con	centrations.	Hence, wa	
		follows, is an important no	tion to understan	d. This will onl	y occur if the	e membran	
		to the, a					
		different on either side of the					
	The s	second type is tran	sport which does	require	(the full	name for t	
	mole	ecule is	) as it mov	es molecules <sub>-</sub>			
		gradient. This ty	pe of transport re	eguires an		prote	