C 11	ъ	37 1 1 .	N		
Cell – Passive Transport Worksheet Biology			Name Date	Period	
1.	 Explain concentration gradient and diffusion with a picture or diagram. Also write a real-life example of diffusion. 				
2.	Discuss the simila	rities and differences between diff u	ision and osmosis.		
3.	What would happe a. Isotonic soluti	en to a cell if placed in the followington:	g solutions (<u>describe</u> and <u>illus</u>	trate).	
	b. Hypotonic sol	lution:			
	c. Hypertonic so	olution:			
4.	Draw an arrow in not permeable to s	the direction of osmosis for each of sucrose.	the conditions below. Assum	ne the membrane is	
_					
5		Intravenous solutions 5 1 2 2 1 1			
	4.	Given appropriate information of membrane permeability to solu solutes or water will passively r membrane.	tes, be able to determine w	hich way	

References:

Human Anatomy & Physiology, 7th edition, Marieb and Hoehn, pp 70-81.

Anatomy and Physiology I Laboratory Manual

Osmosis and Diffusion Worksheet, pp. 19-20.

PhysioEx: Cell Transport Mechanisms and Permeability pp. 21-26

PhysioEx: Cell Transport Mechanisms and Permeability Worksheet, pp. 27-28.