Name:	Date	
Inquiry Investigation: Observing Diffusion and Osmosis I odine solution is toxic and an irritant. It may stain skin and clothing. Use rubber gloves when cleaning up spills, and rinse the areas of the spills with water.		
Which molecules move through	h a dialysis membrane?	
Hypothesis		
(a) Read the Experimental De Investigation.	esign and Procedure, and write	e a hypothesis for this
EXPERIMENTAL DESIGN This is a controlled investigation permeable membrane.	on of the movement of a subst	ance through a selectively
Materials		
 apron safety goggles 2 medicine droppers distilled water in wash bottle 4 % starch solution 	 microscope slide iodine solution dialysis tubing scissors 100 mL graduated cylinder 	 funnel two 250 mL beakers prepared slide of human epithelial (skin) cells
OBSERVATIONS		
Procedure Step 1 – Starch Test	-	
Procedure Steps 6 and 7		,
	Observations	Mass after 10 min
Dialysis tube with 4 % starch solution		
Dialysis tube with distilled water		

(i) What are some of the limitations of dialysis tubing as a model of a cell membrane?