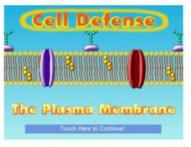
iPad app

Cell Defense The Plasma Membrane



Name:	
Date:	
Period:	

Directions: Read the steps here and all the information on the iPad screen. Follow all the steps carefully filling in all the blanks.

Step 1: Click touch here to begin the app. You	want to move to the "Choose Your				
Challenge!" menu. From the menu choose "Build a Membrane!" Dr. Vial has a vile weapon					
(note the play on words) that destroys plasma membranes. Without					
cells of living things will die because they are unable to maintain					
Step 2: Zoom in on the plasma membrane. From phospholipids are a Head an	5 NAME - NAME (1908) - DE NAME T UN ANNAMENTAN ANNAMENTAN (1908) - D E NAME (1908) - DE NAME (1908) -				
The heads are	_ which means				
The tails are	which means				
The heads face out towards the	and the tails facing				
Draw and label the phospholipid in the box:					
Step 3: Repair the phospholipid membrane.					
How many phospholipids did it take?					
Step 4: What do you have to put into					
the membrane in order to help stabilize it?					
How many did you add?					
Step 5: What is another word for selectively permeable?					
What does that mean?					
Step 6: What 2 molecules easily pass through t					
Molecule 1	Molecule 2				



Step 7: What 3 molecules cannot easily pass through the membrane? Record why for each.						
Molecule 1	Molecule 2	10000	Molecule 3			
What does polar mean?						
Step 8: Insert channel proteins into the membrane. Transport substances across the						
membrane. Note: You can on	y transport subs	tances using cho	annel proteins until there were			
What is this process called?						
Step 9: Moving from to _	concent	ration requires th	ne use of energy to			
substances. This is called transport and uses: (place answer in table)						
1.		2. Which is cell				
Step 10: Carbohydrates are like						
carbohydrates do different						
NAMES OF THE PROPERTY OF THE P) and a	re not,			
, or other	foreign cells.					
What does the immune system	do to foreign in	nvaders?				
What kind of cell does this?						
Step 11: Next take the "Membi Step 12: Take the "Diffusion Ch Step 13: Take the "Energy and How many ATP did you use? _	allenge!" Transport Challe What type	enge!" (s) of protein(s) v	vere used? s used			
Step 14: Take the "Osmosis Che What is Osmosis?	279 A 1 22 0 A 1 1 3 7 A 1 1 2 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
What is the name of the specie	al proteins that le	et water pass thr	ough?			
Is this passive or active transpo	rt\$					
Step 15: From your Scores Shee Lab Score (% correct):						
Number Correct:						
Number Incorrect:						

