Biology	Name_	·
Essential Question: How does the cell transpo	Block _ ort materials across the	
Use the information in the video and your Diffus	sion and Osmosis hando	uts to answer the following questions.
Crash Course Biology – Membranes and Transport (1 http://youtu.be/dPKvHrD1eS4	.1 min)	
Crash Course Biology – Biological Molecules (review http://youtu.be/H8WJ2KENIK0	v of macromolecules) (14	min) Phospholipids (minute 10 to 10:30)
1. What does it mean to be "selectively permeable?"		
2. What are the two categories of movement across the	ne membrane?	
3. Which one of these two types of movement does no	ot use energy?	
4. The process by which molecules/particles move from	om a more crowded area to	a less crowded area
5. The diffusion of water across a membrane		
6. When the concentration of solution is higher when	compared to another solut	ion
7. When the concentration of a solution is lower when	n compared to another solu	ution
8. When two solutions have the same concentration		
9. The type of molecule that makes up the double layer	er of the cell membrane	
10. Means "water-loving"		
11. Means "water-fearing"		
12. Embedded in the cell membrane and helps substan	nces move across the mem	brane
13. Important chemical that provides energy for cells	to do work (like active tra	nsport)
14. An important example of active transport		

15. The type of transport using vesicles that moves material OUTSIDE of the cell

16. The type of transport using vesicles that moves material INSIDE the cell