Na	me <u>:</u>		<b>D</b>		
Cell Transport and Cell Energy Review CELL TRANSPORT					
	Define <b>Homeostasis</b> :				
Mat	ch the term with its correct o	lescription:			
	a. energy b. facilitated	diffusion	e. active transport f. exocytosis		
	c. equilibrium		g. osmosis		
	d. simple diffe	usion	h. endocytosis		
2.	Is used during active tra	ansport but not passive tr	ansport		
3.	A portion of the cell membrane pinches to form a vesicle and bring large molecules into				
	the cell				
4.	Particle movement from an area of higher concentration to an area of lower concentration				
5.	Process by which a cell <b>expels</b> wastes from a vesicle that fuses with the cell membrane				
6.	A form of passive transport that uses transport proteins to form channels in the membrane				
7.	Particle movement from an area of lower concentration to an area of higher concentration				
8.	The diffusion of water through a cell membrane				
9.	When the molecules of one substance are spread evenly throughout another substance to				
	become balanced				
	pel the diagrams of cells using to lows show the direction of transp	<u> </u>	sion, active transport, equilibrium. The		
	High CO <sub>2</sub> levels	8 H <sub>2</sub> O molecules	4 Sodium molecules		
	Low CO <sub>2</sub> levels	8 H <sub>2</sub> O mol			
10	.Label	11. <b>Label</b>	2 Sodium molecules 12. <b>Label</b>		
10	. <b></b>	<b>.</b> adci			

## 13-15 FILL IN THE TABLE: Check the correct column for each statement:

Statement	Isotonic solution	Hypotonic solution	Hypertonic solution
Causes a cell to swell			
Doesn't change the shape of a cell			
Causes a cell to shrink			

Osmosis is the diffusion of water from an area of high concentration to an area of low concentration. Only water moves in osmosis! The diagrams below show the concentration of water and salt inside the cell and the concentration of water and salt surrounding the cell. Complete the sentences below by comparing the concentration of the water inside the cell and the concentration outside the cell.

16.			
	5% NaCl 95% H <sub>2</sub> O 95% NaCl 5% H <sub>2</sub> O	a. Water will flow the cell, out of the cell, in both direction	(into ons).
		b. The cell willswell, stay the same).	(shrink,
17.	5% NaCl 95% H <sub>2</sub> O 5% NaCl 95% H <sub>2</sub> O	a. Water will flow out of the cell, in both directions).	(into the cell
		b. The cell willstay the same).	_ (shrink, swell,
18.	95% NaCl 5% NaCl	a. Water will flow cell, out of the cell, in both directions	,
	5% H <sub>2</sub> O 95% H <sub>2</sub> O	b. The cell willswell, stay the same).	(shrink,

Photosynthesis vs. Respiration

	Photosynthesis V3.	Respiration
What is its purpose?		
What type of cells do this?		
What organelle in the cell does this?		
Reactants		
Products		

Complete the Table using the words and phrases in the box below:

- Green plant cells
- CO2 + H2O + ATP
- Mitochondria
- CO2 + H2O + light
- Chloroplast
- Glucose + O2
- Capture & Store energy
- Release energy from food
- All cells
- Glucose + O2