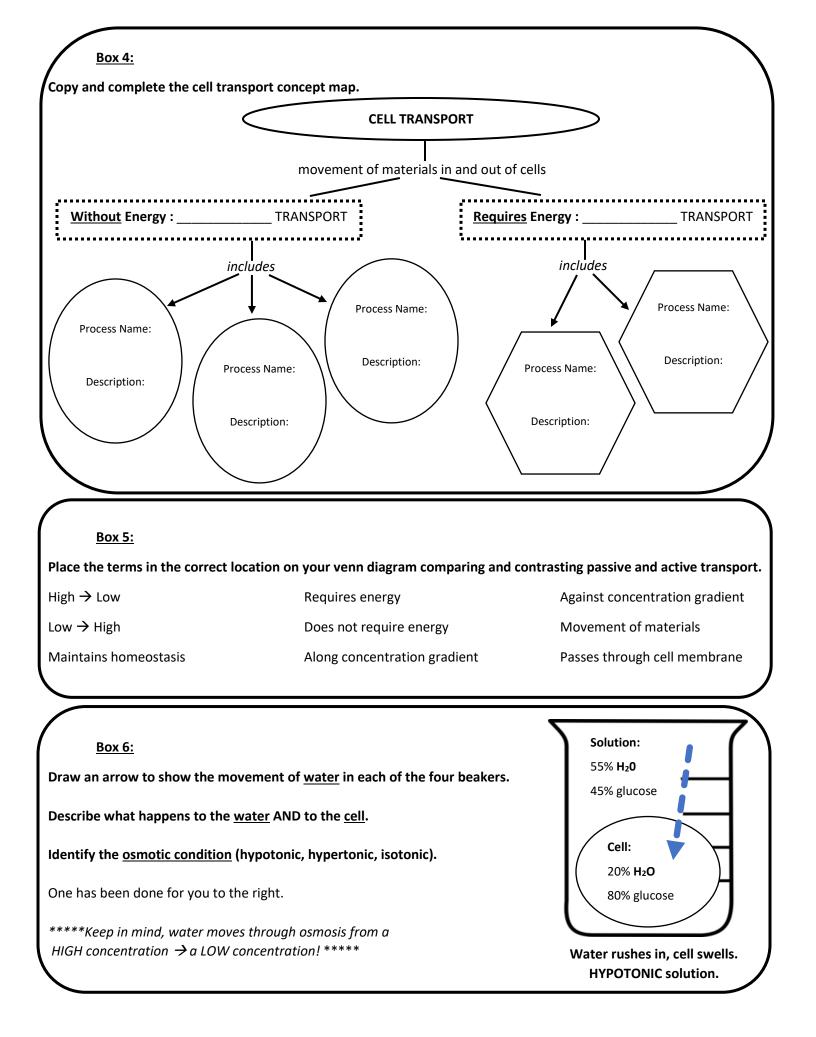
## CELL STRUCTURES AND PROCESSES CUMULATIVE TEST REVIEW

## <u>Box 1:</u>

BUX 1.		
Label the following structures on the ce	II diagram:	
Cell Membrane	Ribosome	Endoplasmic Reticulum
Nucleus	Mitochondria	Golgi Body
Cytoplasm	Lysosome	
<u>Box 2:</u>		
Copy down the t-chart and compare the	e three major types of cells: bacteria, plant	, and animal.
Bacteria Cell	Plant Cell	Animal Cell
Prokaryote/Eukaryote?	Prokaryote/Eukaryote?	Prokaryote/Eukaryote?
Unique Features:	Unique Features:	Unique Features:
<u>Box 3:</u>		Ribosome
Natch the <u>functions</u> to the following ce	ll <u>structures</u> :	Endoplasmic Reticulu
Duter layer of plant cells, provides prote	ection.	Lindopiusiine Reticuit
orders ALL cells, helps maintain homec	stasis by controlling what goes in and out o	f cells. Chloroplast
Controls all cell activities, only found in eukaryotic cells.		Cell Wall
roduces energy (ATP) for the cell throu	gh the process of cellular respiration.	Nucleus
Jses energy from the sun in order to pro	oduce glucose during photosynthesis.	Mitochondria
ransports materials throughout the cel	l, can be "smooth" or "rough".	Vacuole
Packages and proteins and other materi	als for transport.	Cell Membrane
ound in all cells, produces protein.		
Contains digestive enzymes for breaking	down waste, only in animal cells.	Lysosome
arge, central structure used for storage	in plant cells.	Golgi Body
•		



<u>Box 7:</u>				
bel the following structures on t	he cell membrane diagran	n.		
hospholipid Bilayer	Hydrophobic Fatty Acid Tails		holesterol	
ydrophilic Phosphate Heads	Transport (Helper)	Proteins C	arbohydrate Chain	
Box 8:			Carbon Dioxide	
			Glucose	
ace the following reactants/prod ustrating the connection betwee			Water	
			Oxygen	
PHO	TOSYNTHESIS	CELL RESPIRATI	ON	
<u>Box 9:</u> opy and complete the T-chart con	nparing photosynthesis a	nd cellular respiration.		
	Purpose:	<u>Purpose:</u>		
<u> </u>	<u>Reactants:</u>		Reactants:	
ļ	Products:		<u>Products:</u>	
	Organollo:			
(	Organelle:	Organelle		
<u>(</u>	Organelle:	Organelle:		
	<u>Drganelle:</u> hergy Type:	<u>Organelle:</u> <u>Energy Type</u>	<u>.</u>	
<u>Er</u>				

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