## Cell Structures Study Guide

1.	The two types of c	cells are	an	$nd_{\mathtt{L}}$	

- 2. List 2 examples of each type of cell.
- 3. List 3 similarities between the 2 types of cells.
- 4. List 3 differences between the 2 types of cells.
- 5. How are plants cells different from animal cells? List at least 3 ways.
- 6. Match the following cell structures with the correct functions.

1	vacuole	A. produces energy for cell functions
2	chloroplast	B. a living thing
3	cell membrane	C. chemical instructions/directions for cell structure and
		function
4	nucleus	D. a part of a cell that has a specific job to do
5	mitochondria	E. the organelle in which plants produce food
6	DNA	F. the smallest unit of life
7	cell wall	G. control center of the cell
8	eukaryote	H. a cell without a nucleus
9	lysosome	I. gel-like liquid that surrounds and protects structures in
		the nucleus
10	organelle	J. flexible cover surrounding cell, has pores
11	cytoplasm	K. a cell with a nucleus and many other organelles, very
		complex
12	cell	L. storage area in plant/animal cells for food/water, larger
		in plant cells
13	prokaryote	M. rigid extra boundary around plant cells, provides
		support and protection
14	organism	N. digest wastes and worn out cell parts

Riddle Me This - Write the name of the organelle in the blank.

1.	I'm a real "powerhouse", That's plain to see. I break down food To release energy. Who am I?	6.	Found only in plant cells. I'm green as can be. I make food for the plant Using the sun's energy. Who am I?		
2.	I'm strong and stout, Getting through me is tough. I'm found only in plants, But I guess that's enough. Who am I?	7.	I'm full of holes, Flexible, and thin. I control what gets out As well as what comes in. Who am I?		
3.	. I've been called a "storage tank" By those with little taste. I'm a sack filled with water, Food, enzymes, or waste Who am I?		Proteins are made here Even though I'm quite small. You can find me in the cytoplasm Or, attached to E.R.'s wall. Who am I?		
4. I'm the "brain" of the cell Or so they say. I regulate activities from day to day. Who am I?		9.	Since I contain many enzymes, I can digest an injured cell; And break down a large molecule Into a smaller one as well. Who am I?		
W	rite Your Own Riddle:				
5.		10.			
	Who am I?		Who am I?		
Or	rganelle Analogies: Write an ana 1. Example: If I were a nucleus and telling all the organelles was a series of the series of th	s, I would be the what to do ever would would	e king of organelles, ruling the cell		