

Cell Organelles: Nucleus to Mitochondria Annotations by Brianna Abraham Sites for Track #237442:

1. Nucleus: Cell Textbook: http://pe	ersonal.tmlp.com/jimr57/textbook/chapter3/nucs2.htm
Within the nucleus are found	and a structure called
What is chromatin?	
What does the nucleolus manufactur	re?
2. Nucleus: Science Review: http://	www.scientia.org/
Click on "Caduceus Science Review, on "Cell Nucleus" on the right.	," then on the "Biology MCAT." Click on "Eukaryotic Cell" on the left, then click
The nucleus guides the	processes of the cell by issuing three types of instructions.
FIRST, the nucleus directs	·
SECOND, the nucleus controls	
THIRD, the nucleus regulates	
The nucleus is the	, most prominent structure within a cell.
3. <u>Plasma Membrane: Cell Textboo</u>	ok: http://personal.tmlp.com/jimr57/textbook/chapter3/cm.htm
The cell membrane is the	structure that surrounds the
<u> </u>	of the cell.
It also connects the	and the
4. <u>Plasma Membrane: Cell Basics</u> :	http://gslc.genetics.utah.edu/units/basics/cell/
Click on "Cell Membrane" in the mod	lel and read the information on the left.
The cell membrane is like the cell from the outside environmen	because it gives the cell support andt.
	, the cell membrane has openings that
	These openings are called

5. Plasma Membrane: Cell Membrane: http://projects.edtech.sandi.net/miramesa/Organelles/men	b.html
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It serves as a	which helps to control	·
Structurally, the membrane is a lipid	How many layer	rs does this mean?
6. Endoplasmic Reticulum: http://www.cb	c.umn.edu/~mwd/cell_www/chapter2/ER.html	
The ER membrane typically makes up mor	e than of the total mem	brane in the cell.
7. Endoplasmic Reticulum: Cell Organel	les: http://www.winterwren.com/apbio/cellorgane	lles/er.html
The ER is an extensive network of membra	anes that extends from the	through the
cytoplasm to the		
There are types of ER. Nan	ne them and describe the differences between th	em.
8. Endoplasmic Reticulum: http://www.cd	li.ca/~dpower/cell/er.htm	
What does the term "endoplasmic reticulun	n" mean?	
What does the rough ER specialize in? Name the organelles, in order, that protein	molecules travel through.	
	://www.winterwren.com/apbio/cellorganelles/golg	<u>ji.html</u>
It looks like a stack of		
The two functions of the golgi apparatus is:		
1)		
2)		
It is often called the "	" of the cell.	
The vesicles that pinch off move to the		, and the material
inside the vesicle is released to		
Some of these vesicles become		<u>.</u> .

 Lysosomes: Cell Organelles: http://www.winterwren.com/apbio/cellorganelles/lyso.ht 	10.	Lysosomes:	Cell Or	ganelles:	http://www	.winterwren.co	om/apbio/ce	lorganelles/l	yso.htm
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What are the three most important facts	regarding the lyso	some?	
The term "lysosome" comes from two ro	oots – "lys" meaning	9	, and "some"
meaning		Therefore, the literal translation is	S
<u> </u>			
11. Lysosomes: http://projects.edtech.s	sandi.net/miramesa	a/Organelles/lyso.html	
Lysosomes are sometimes called "		" 	
What happens when a cell needs to dig	est food?		
Which other organelle in the cell produc	es lysosomes?		
12. Lysosomes: Thinkquest: http://libr	ary.thinkquest.org/	12413/structures.html	
What happens to a cell if the lysosome	were to explode?		
13. Mitochondria: Thinkquest: http://li	brary.thinkquest.or	g/12413/structures.html	
The mitochondria is the	largest o	organelle in the cell.	
How many layers does its membrane ha	ave?		
What are the folds of the membrane cal	led?		
The mitochondria controls levels of		and recycles and decom	iposes
	_, carbohydrates, _	and forms	·
14. Mitochondria: http://projects.edtech	n.sandi.net/mirame	sa/Organelles/mito.html	

Mitochondria can be called the "______" of a cell. What does that mean?

What is the usable form of energy that mitochondria produce?