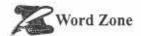
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Vocabulary List One for Inside a Cell

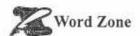
eukaryote - (n) a cell with a nucleus; examples include more complex multi-cellular organisms, like animals and plants and unicellular organisms, like protists prokaryote - (n) a cell without a nucleus; examples: bacteria and blue-green algae cytoplasm - (n) everything inside the cell membrane, except the nucleus **cell membrane** – (n) thin covering of a cell that regulates what enters and leaves a cell; plant cells have one too, but the cell wall is the outermost laver **semipermeable** – (adj.) partially able to move or pass substances cytoskeleton - (n) cellular organelle composed of microfilaments, microtubules, and intermediate filaments that provide structure and shape for a cell and help the cell move endoplasmic reticulum – (n) site of protein synthesis in a cell; two types - rough (has ribosomes attached) and smooth ribosomes - (n) structures in cell found floating in the cytoplasm or attached to endoplasmic reticulum; site of protein synthesis Golgi apparatus - (n) part of a cell where substances are modified, packaged and distributed vesicle -(n) sac that carries newly synthesized proteins from Golgi apparatus to various parts of the cell

Choose the best word from the vocabulary box to finish the sentences below.

	are the site of protein synthesis.	
When DNA is r	ot surrounded by a nuclear membrane	e, the cell is a
The	provides shape, support an	d structure for the cell.
Most cellular m in while keeping	embranes are, allo g others out.	owing only certain substance
After being mod	lified and packaged in the	a protein will
be placed in a _	to be transported to ot	ther parts of the cell.
be placed in a _	to be transported to ot es, except the nucleus, do their work	ther parts of the cell.
be placed in a	to be transported to ot es, except the nucleus, do their work	ther parts of the cell.
All the organell the Protists, like the have a nucleus.	to be transported to ot es, except the nucleus, do their work paramecium, can also be called r large molecules must pass through the	ther parts of the cell. in the gel-like area known as because they



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Vocabulary List Two for Inside a Cell

synthesis - (n) combining parts to form a whole

lysosome – (n) structure in a cell containing digestive enzymes; removes debris, unwanted particles and useless organelles

enzymes -(n) complex proteins that initiate biochemical reactions

mitochondrion - (n) (pl. mitochondria) cell structure that provides energy for the cell; aids in cellular respiration by breaking down oxygen

cristae - (n) folds in the inner membrane of the mitochondrion

self-replicate – (v) ability to reproduce without the aid of outside forces

centrioles - (n) pair of organelles located near the nucleus that make spindles used in cell division (spindles act like cables to pull the cell apart)

nucleus - (n) control center for a cell; contains genetic information which are the instructions a cell needs to function

 $\mathbf{DNA} - (n)$ (deoxyribonucleic acid) hereditary instructions for a cell

nucleolus - (n) located inside the nucleus; helps make ribosomes

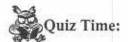
mitosis – (n) process of cell division; occurs in a series of steps: interphase, prophase, metaphase, anaphase and telophase

Choose the best v	word from the	vocabulary box	to finish the	sentences below.
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1.	The	inside the cell's	control center are the instructions for a cell.
2.	During	, the cell div	vides forming two identical daughter cells.
3.	Without theworn out organel		l would not be able to effectively remove
4.	in the cell.	_ in the lysosome s	serve as catalysts for the breakdown of debris
5.	Thethereby assisting	inside a(n) in the break down o	increase its surface area, of oxygen during cellular respiration.
6.	Ribosomes made entering the cytop		pass through the nuclear envelope before
7.	In eukaryotes, the	e cell's genetic info	mation is found in the
8.	Without the	, the cell	would not have spindles during cell division.
9.	During protein _ various amino ac		, a whole protein molecule is made from
10.	Mitochondria car	1	because they have their own DNA.



Name	Date	Class	



Video Quiz Questions Inside a Cell

ect		Write the letter of the best answer in the space provided, or write true
	7.7	
1.		What is the name for cells with a nucleus and organelles surrounded by
	1400.0000000000	brane?
		Prokaryotes
		Eurekas
		Eukaryotes
	d.	Protectors
2.		What is one characteristic of the cell membrane?
		Synthesizes water
	b.	Semi-permeable
	C.	Breaks down substances to produce energy
	d.	Removes organelles
3.	×	What substance is the cytoskeleton made of?
	a.	Fat molecules
	b.	Cytoplasm
	c.	Protoplasm
	d.	Proteins
4.	4 <u>0.000.000</u>	True or False: There are four types of endoplasmic reticula.
5.	<u> 24 = 4 = </u>	What is one function of the smooth endoplasmic reticulum?
	a.	Synthesize lipids
	b.	Create molecular bonds with complex carbohydrates
	c.	Compress water molecules
	d.	Carry proteins into the cytoskeleton
6.		The Golgi apparatus is responsible for
	a.	bringing together cytoplasm and protein molecules.
	b.	removing worn out organelles.
	c.	collecting, modifying and packaging substances.
	d.	transporting the nucleus to various locations in the cell.
		AND THE RESIDENCE AND ADMINISTRAL OF A DESCRIPTION OF A D

Video Quiz Questions Inside a Cell - continued

7.		Which organelle transports substances from the Golgi apparatus to
		s sites within the cell?
		Vacuole
		Cytoskeleton
		Nucleus
	d.	Vesicle
8.		Which organelle uses digestive enzymes to clean up the cell?
	a.	Mitochondrion
	Ъ.	Nucleus
	C.	Ribosome
	d.	Lysosome
9.		Which organelle breaks down sugars and fatty acids for energy?
		Mitochondrion
		Nucleus
	c.	Ribosome
	d.	Lysosome
10.		Without the cristae, the
		mitochondrion would have more surface area.
	b.	lysosome would digest the mitochondrion.
		mitochondrion would have less surface area.
	d.	lysosome would be larger.
11.		True or False: Centrioles migrate to poles of the cell to assist in cell
	divisio	
12.		The nucleus
		directs all the organelles.
		keeps track of the DNA.
		controls the nucleolus.
	d	all of the above