Questions (think of questions	II.	Domains and Kingdoms			
that might be on the exam) Q. What is the function of a cell wall?		• Two main types of cells			
		• <u>Prokaryotic</u> – cells nucleus			
		• EX:			
		• Eukaryotic – have a			
		• EX:			
		\rightarrow Plants			
		→			
		→ Animals			
		→			
	IV.	Looking Inside of Cells			
	• <u>Organelles</u> – tiny cell structures that carry out specific				
		in the cell			
	А.	Enter the Cell			
		1. <u>Cell Wall</u>			
		a. a rigid layer of that surrounds			
		b and			
		the cell			
		c do not have a cell wall			
		d. Made mostly out of			
		e and can pass			
		through			
		2. <u>Cell Membrane</u> a have cell membranes			
		 b. Plant cells = of cell wall 			
		c. Cells without cell wall = boundary that separates the cell from its environment			
		d. Controls what substances			
		and a cell			
	B.	Sail On to the Nucleus			
		1. <u>Nucleus</u>			
		a. the of the cell			
		b all of the cell's			
		2. <u>Nuclear Envelope</u>			
		a that surrounds the			
		b. Material passes into and out of the			
		through in the			

	3. <u>Chromatin</u>	
	a. Thin strands in the	
	b. Contains genetic information	
	• The	
	the cell	
Q. Where in the nucleus is	4. <u>Nucleolus</u>	5 runetions
genetic material found?	a found with	in the
generie material Iouna		
	h whore	mada
	b. where are	
	Ribosome's produce	
	C. Organelles in the Cytoplasm	
	1. <u>Cytoplasm</u>	
	a. the region between the	1.1
	made of	
		fluid
	b. Many are four	nd in the cytoplasm
	2. Mitochondria	
	a of the cell	
	b. convert molecules into	that
	the cell can use to carry out its	
	3. <u>Endoplasmic Reticulum (ER)</u>	
	athat	proteins
	and other materials from	of
	the cell to another	
	b types	
	• Rough ER	
	•	
	• Smooth ER	
	4. <u>Ribosomes</u> a. Location:	
	• attached to the	
	• floating in the	
	b. <u>Function</u> : produce	
	5. <u>Golgi Bodies</u>	
	a. Cells ""	
	b. receives and c	ther newly formed
	materials from the	
	c. packagesand mater	
	d. them to other pa	arts of the cell.

Q. What or energy of s make food

	6. Chloroplasts	
rganelle captures the sunlight and uses it to for the cell?	a. Floating in the of	
	(an	d some other
	organisms)	
	b. capture from	
	to pro	oduce
	for the cell	
	7. <u>Vacuoles</u>	
	a. large	_ sacs floating in the
	cytoplasm	-
	barea for	cells: food,
	and other ma	aterials
	c. Most cells have o	
	8. Lysosomes	
	a. small, round structures containing	ng
		that
	mater	rials in the cell
	D. Specialized Cells	
	Multi-celled organisms have	that are
	to perform differen	
	➢ EX: RBC's,	, nerve cells,
	are organized into	
	➤ Cell – EX:	
	► EX:	nerve tissue
	► EX:	brain
	➤	EX: nervous
	system	
(about 5 sentences).		

Summary (about 5 sentences):