Final Exam Review Sheet #3

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

 1.	Which of the following is NOT found in anima						
	a. cell wall	С.	lysosomes				
•	b. cell membrane	d.	vacuole				
 2.		Which of the following statements is NOT part of the cell theory?					
	a. The most basic component of any organism is the cell.						
	b. All cells originate from other cells.						
	c. All cells have a nucleus and a cell membra						
2	d. All living things are made up of one or more cells.						
 3.	Which of the following is NOT found in plant						
	a. lysosome	с. d	cell membrane				
	b. ribosome	d.	chlorplast				
 4. Which of the following contains enzymes that can break down particles in vacuoles?							
	a. mitochondria	с.	lysosomes				
	b. endoplasmic reticulum	d.	None of the above				
 5.	Which part of a cell manufactures proteins?						
	a. nucleolus	c.	cell membrane				
	b. ribosomes	d.	vacuole				
 6.	A person has about 200 different kinds of cells, each specialized to do a particular job. This means that the						
	person						
	a. does not need tissues.	c.	is multicellular.				
	b. does not need organs.	d.	is unicellular.				
 7.	7. You are made up of about 100 trillion cells; however, you began as						
	a. an organ.	c.	an organelle.				
	b. a glob of gooey cytoplasm.	d.	a single cell.				
 8.	Which of the following best describes the function of a plant's leaf?						
	a. sucking up water						
	b. capturing light energy to make food						
	c. getting minerals from the soil						
	d. only providing shelter for small animals						
 9.	are the basic units of living things.						
	a. Organisms	c.	Cells				
	b. Tissues	d.	Organs				
 10.	Which of the following best describes organell						
	a. Only certain kinds of cells have organelles	5.					
	b. There is only one kind of organelle.						
	c. All organelles are surrounded by membrar						
	d. Organelles enable a cell to live, grow, and reproduce.						
 11.	Why is an elephant larger than a human?						
	a. It has larger cells than a person does.						
	b. It has a larger surface-to-volume ratio of its cells than a person does.						
	c. It has more cells than a person does.						
	d. None of the above						

Name: _____

 12.	Prokaryotic cells do NOT have						
	a. DNA.	c.	a cell membrane.				
	b. a nucleus.	d.	ribosomes.				
13.	When compared to a prokaryotic cell, a eukaryotic cell						
	a. has more types of organelles.						
	b. has DNA that is linear rather than circular	r.					
	c. stores its DNA in a nucleus rather than in	the c	cytoplasm.				
	d. All of the above						
14. Which of the following best describes the characteristics of cells?							
 a. Prokaryotic cells are the world's smallest cells and probably were the first cells on E							
	Eukaryotic cells have many membrane-covered organelles, allowing many different						
	b. Eukaryotic cells have many membrane-covered organelles, allowing many different chemical processes to occur at the same time.						
	-	All plants, animals, fungi, and protists are made up of eukaryotic cells.					
	d. All of the above						
 15.	A keep(s) the cytoplasm inside and allow nutrients in and waste products out.						
	a. cell membrane	c.	nucleus				
	b. chloroplast	d.	mitochondria				
 16. The smallest and most abundant organelle is the							
	a. ribosome.	c.	endoplasmic reticulum.				
	b. nucleus.	d.	vacuole.				
 17.	17. Food molecules are broken down to release energy by the						
	a. ribosomes.	c.	mitochondria.				
	b. endoplasmic reticulum.	d.	chloroplasts.				
 18.	8. Most of the ATP produced by a cell is made in the						
	a. ribosomes.	c.	mitochondria.				
	b. endoplasmic reticulum.	d.	chloroplasts.				
 19.							
	a. ribosome	с.	mitochondria				
	b. endoplasmic reticulum	d.	chloroplast				
 20.	20. Most energy in eukaryotic cells is produced in the						
	a. mitochondria.	c.	nucleus.				
	b. endoplasmic reticulum.	d.	chloroplasts.				
 21.	is what makes chloroplasts green.						
	a. A chromatid	c.	Cholesterol				
	b. Chlorophyll	d.	A chromosome				
 22.	2. If an animal cell did not have lysosomes, it would NOT be able to						
	a. control the production of proteins.						
	b. make food using sunlight.						
	c. digest wastes and foreign matter.						
	d. All of the above						