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Sincerely,

Kent

REAL Science Challenge Founder Science Department Head (Burnaby South Secondary)

Sample: Standards Based Grading Test

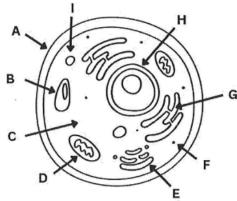
Mr. Lui	Name:	
	Block:	

Quiz - Living Things, Cells, Organelles, and Microscopes

Curricular Competency	Questions	Emerging	Developing	Proficient	Extending	
Processing & Analyzing	1-4					

CC: PROCESSING & ANALYZING

Consider the following diagram of a cell below.



		D (NO)	· Signatural Property of the Control	
1.	Which	organelle(s) (provide the letter)	E	
	a)	Provides energy to the cell?		
	b)	Provides instructions to the cell?		
	c)	Helps with protein synthesis?		
	d)	Digests food?		
	e)	Separates the outside from the inside?		
2.	Is the	cell pictured above a plant cell or animal cell? Ho	ow do you know?	
		A c		
3.	Is the	cell picture above a prokaryote or eukaryote? Ho	ow do you know?	

4.	Red blood cells are special cells in our blood that carry oxygen to the organs and tissues of our body. The purpose of red blood cell is to carry as much oxygen as possible. Thus, mature (ie. fully formed) red blood cells
	lack (ie. do not have) some of the organelles you see in the diagram above. Which organelles do you think red
	blood cells do NOT have? Explain why.

/ 18

Name:	
	Block:

		Quiz - Organelles, Diffusion, and Osmosis
True/I Indica		nether the statement is true or false.
	1.	Each cell structure or organelle carries out a specific task to support the life functions of the cell.
	2.	Bacteria can be classified by their shape.
	3.	All organisms get their energy from the food they eat.
	4.	Cellular respiration takes place in animal cells but not in plant cells.
	5.	Viruses are very small living organisms.
Multi j Identij		Choice choice that best completes the statement or answers the question.
	6.	Which of the following statements about a cell is <i>not</i> true? a. All organisms consist of many cells. b. Cells vary in size and shape. c. All cells have a membrane. d. All cells contain cytoplasm.
	7.	Which of the structures in the cell is responsible for storing waste for the cell? a. vacuole b. mitochondrion c. Golgi body d. chloroplast
-	8.	Which cell structure is responsible for the energy provided to the cell? a. nucleus c. ribosome b. mitochondria d. cell membrane
	9.	When cell parts such as organelles break down, they are recycled by the a. ribosomes. c. vacuoles. b. lysosomes. d. Golgi bodies.
	10.	The process that allows you to smell supper cooking in the kitchen when you walk into the house is called a. osmosis. c. evaporation. b. diffusion. d. permeation.

	15.	Write a word equation for the process of cellular respiration.			
	,				
	14.	State three parts of the cell theory.			
Short	Short Answer				
		 a. any type of body cen. b. only a few very specialized types of cells. c. certain types of body tissues. d. only disease-treating cells. 			
	13.	Stem cells from a human embryo can become a. any type of body cell.			
	12.	Diffusion happens a. only in plant cells. c. only outside of cells. b. only in animal cells. d. in all living cells.			
	11.	Plant cells can be distinguished from animal cells because only plant cells have a. a cell wall. b. vacuoles. c. a cell membrane. c. cytoplasm.			