Na	ame	Block	[	Date							
	Quiz 4: Cell Organelles (BIO.3c)										
•	Use the diagram below and the functions Complete the sentences at the bottom of both blanks. Use the following word bank for all blank	f the page by circ	cling the cor	rect word in par							
W	ord Bank Cell membrane Cell wall Cilia Cytoplasm Golgi Lysosome Ribosome Vacuole		Centriole Endoplasm Mitochondr	ic reticulum ion	Chloroplast Flagella Nucleus						
1.	This cell is not a plant cell because it do have  a rigid	or	(P)		(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c						
2.	This cell cannot move because it does in have  • small, hair-like projections called  • long, whip-like structures called	or ©—			(H)						
3.	This cell does have	-									
	A	makes and tra	and transports chemicals within the cell.								
	В	makes proteins.									
	C	- holds digestive enzymes									
	H	- controls chromosome movement during cell division									
	I	- packages chemicals for cell export									
	J	- stores food, water, and waste.									
	M	- holds DNA, so it controls the cell.									
	N is the jelly-like substance that holds organelles in place										
	O	turns food into	od into useable energy for the cell.								
	P	controls what	enters and e	exits the cell.							

Name			Block	Date		
•	Not all words will	be used, but no word will be	used more than c	using the word bank below. once. on this with an organelle's function.		
Word	Bank					
		Cell wall Endoplasmic reticulum Nucleus	Centrioles Golgi Ribosome	Lysosomes		
1.	Muscle require a	lot of energy, so muscle cells	s contain large nui	mbers of		
2.	White blood cells	need lots of digestive enzyn	nes to break down	germs, so they contain extra		
3.	Liver cells manufa	acture large amounts of prote	<u>ein</u> . Therefore, the	ey require large numbers of		
4.		nicate with other cells, so the		amounts of signaling chemicals for		
5.				divide, so they do not carry genetic		
	material (DNA). T	herefore, red blood cells do	not have a			
6.	Cells in the stem of a plant must provide extra support and rigidity, so these cells have a stronger,					
	thicker					
7.	In a <i>plant</i> leaf, the	e function of cells in the		Cuticle Epiderm		
	palisade layer (se	ee picture) is to convert light	31	Palisade		

## **Short Answer**

1. Explain the difference between unicellular and multicellular organisms. (2 pts)

energy into food (photosynthesis), so they are

full of \_\_\_\_\_

2. Look at the cell on the front of this quiz. Identify this cell as prokaryotic or eukaryotic, and describe one reason why. (2 pts)

Spongy mesophyll

Stomata

mesophyll

Vein

Lower Epidermis