Biology 12
Ms. Kuiper

name: **Answer key**
Block:

CELL REVIEW WORKSHEET

1. Matching

G	1. internal framework that anchors organelles, gives shape	A) cell membrane
K	2. cellular "ropes" made of repeating units of the protein *actin*	B) cell wall
L	3. hollow tubes for transport, movement, made of actin & tubulin proteins	C) centriole
I	4. vesicles pinch off these structures; proteins modified and packaged here	D) chloroplast
J	5. cellular "stomach"	E) chromosome
A	6. selectively permeable "doorman"	F) cilia
D	7. the most important plastid, turns CO_2, H_2O, sunlight into glucose	G) cytoskeleton
T	8. membrane-bound spheres that store water & dissolved materials. Membrane surrounding it is called a *tonoplast*. Plants have a large, central one.	H) flagella
N	9. site of rRNA production in nucleus	I) Golgi body
C	10. rod-like structures that package the DNA into neat, discrete units; play role in cell division	J) lysosomes
F	11. used for movement, and to move material past cell. Beat back and forth like little oars	K) microfilament
S	12. site of lipid synthesis	L) microtubule
R	13. appearance due to being peppered with ribosomes; this membranous network receives the just-synthesized protein and may modify it	M) mitochondria
O	14. the "brain" of the cell	N) nucleolus
M	15. this organelle has a double membrane and converts glucose and O_2 to produce energy in the form of ATP	O) nucleus
B	16. enclose plant cells. Strong cellulose fibers give rigidity	P) plastids
P	17. small organelles in plants that contain pigments or store starch	Q) ribosome
U	18. small membranous spheres that transport materials around cell, out of cell via exocytosis, and into cell via endocytosis	R) rough ER
Q	19. made of rRNA and protein, these small, numerous organelles are the site of protein synthesis	S) smooth ER
Ignore	20. twin barrel like structures in animal cells that play a role in cell division; have 9 + 2 arrangement of microtubules	T) vacuoles
H	21. whip-like structures used for movement in unicellular organisms; have 9 + 2 arrangement of microtubules	U) vesicle