

CELL REVIEW WORKSHEET

1. Matching

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| G | 1. internal framework that anchors organelles, gives shape | A) cell membrane |
| K | 2. cellular "ropes" made of repeating units of the protein <i>actin</i> | 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 ₂ O, sunlight into glucose | G) cytoskeleton |
| T | 8. membrane-bound spheres that store water & dissolved materials. Membrane surrounding it is called a <i>tonoplast</i> . 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 |