

PART A: Match the description to the term

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| 1. _____ | thick surface structure that gives shape, support and protection to plant cells | A. nucleus |
| 2. _____ | control center of the cell: directs all the cells activities; involved in cell division | B. chloroplasts |
| 3. _____ | release energy for cell functions; powerhouse of the cell | C. ribosomes |
| 4. _____ | “factories” for building proteins | D. vacuoles |
| 5. _____ | “roadways” for moving materials throughout the cell | E. DNA |
| 6. _____ | manufacture ribosome parts (proteins and RNA) | F. golgi bodies |
| 7. _____ | sticky, semi-fluid material inside a living cell in which the other cell organelles are suspended | G. lysosomes |
| 8. _____ | contain digestive enzymes | H. cell membrane |
| 9. _____ | encloses the cell’s genetic material | I. Chromatin |
| 10. _____ | storehouse for excess water, food, wastes, etc. | J. cell wall |
| 11. _____ | green organelles of plant cells where photosynthesis takes place | K. nucleolus |
| 12. _____ | package useful materials and secrete them to the outside of the cell | L. nuclear membrane |
| 13. _____ | strands within the nucleus which form chromosomes | M. mitochondria |
| 14. _____ | holds the contents of the cell together | N. cytoplasm |
| 15. _____ | hereditary material that carries the genetic code | O. endoplasmic reticulum |

PART B: Fill in the blanks

Word bank: nucleus cell membrane cell wall mitochondria cytoplasm
Nucleolus vacuoles lysosomes ribosomes nuclear membrane
Centriole chromatin Golgi complex endoplasmic reticulum chloroplast

1. The _____ is the semi-fluid portion of the cell in which the cell parts are located.
2. The _____ is referred to as the headquarters of cell operations.
3. The structure found in plant cells, but not in animal cells, that carries out the process of photosynthesis is the _____.
4. Proteins are manufactured by the _____.
5. The structure that surrounds the cell and regulates what enters and leaves the cell is the _____.
6. Nicknamed the '**powerhouse of the cell**', the _____ are involved in energy production.
7. The _____ surrounds the nucleus and controls what enters and leaves it.
8. _____ are structures that contain digestive enzymes.
9. In addition to a cell membrane, plant cells also have a _____ that serves to provide strength and support to the cell.
10. Storage chambers within the cell are called _____.
11. Found mostly in animal cells, the _____ plays a role in cell division.
12. The cell structure that prepares and packages proteins either for use within the cell or for shipment out of the cell is the _____.
13. Located within the nucleus, the _____ is involved in making ribosomes for the cell.
14. Among other tasks, the _____ serves as a transportation system within the cell.
15. Another name for DNA material located within the nucleus of the cell is _____.