

● Cell Organization

Match the description on the left with the term on the right by writing the correct letter in each blank.

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| _____ 1. groups of similar cells that do the same work | a. cell membrane |
| _____ 2. organelles that release energy for the cell | b. cytoplasm |
| _____ 3. structure that forms outer boundary of cell | c. endoplasmic reticulum |
| _____ 4. gel-like material inside the cell membrane | d. Golgi bodies |
| _____ 5. different types of tissues that work together to do a job | e. mitochondria |
| _____ 6. stacks of sacs that package and move proteins | f. nucleus |
| _____ 7. where proteins are made | g. organ |
| _____ 8. a folded membrane that moves material in cells | h. ribosome |
| _____ 9. structure that directs the cell's activities | i. tissue |

Write the letter of the term or phrase that best completes each sentence.

- _____ 10. Prokaryotic cells do not have any _____ .
 a. cytoplasm b. DNA c. organelles d. membrane-covered organelles
- _____ 11. Chromatin is made up of _____ .
 a. fats and proteins b. ATP and fats c. chlorophyll d. protein and DNA
- _____ 12. The structures within the cytoplasm of eukaryotic cells are _____ .
 a. organelles b. enzymes c. proteins d. fibers
- _____ 13. Cell wastes are digested in organelles called _____ .
 a. Golgi bodies b. lysosomes c. mitochondria d. ribosomes
- _____ 14. Water, food, and waste products are stored in the cell's _____ .
 a. vacuoles b. nucleolus c. cell wall d. organelles
- _____ 15. Plant cells differ from animal cells because plant cells have _____ .
 a. cell membrane c. nuclear membranes
 b. cell walls d. endoplasmic reticulum
- _____ 16. Plants can trap light energy in organelles called _____ .
 a. vacuoles b. Golgi bodies c. chloroplasts d. endoplasmic reticulum
- _____ 17. Plants can trap light energy into chemical energy in the form of _____ .
 a. protein b. fat c. sugar d. fiber
- _____ 18. The shape of a cell tells you something about its _____ .
 a. age b. job c. energy d. composition
- _____ 19. Groups of similar cells in a tissue _____ .
 a. look different c. do the same kind of work
 b. are various shapes d. do different kinds of work
- _____ 20. A leaf functions as a(n) _____ to make food for a plant.
 a. tissue b. organ c. organ system d. organism