

Name: _____

Period: _____ Date: _____

Cell Organelles - Homework

Directions: Fill in the blanks below, using the word bank

- cytoskeleton
- nucleus
- nucleolus
- nuclear envelope
- chloroplast
- chromatin
- ribosomes
- cell membrane
- cell wall
- smooth ER
- rough ER
- centrioles
- vacuoles
- nucleus
- cytoplasm
- Golgi body
- mitochondria
- cells
- cell theory
- prokaryotic
- eukaryotic

1. The _____ states that living organisms are made up of basic units of structure and function called _____.
2. Cells are classified in two groups according to whether they contain a _____.
3. _____ cells have a nucleus, but _____ cells do not.
4. The _____ is a semi-liquid part of the cell where the organelles are located.
5. The _____ is considered the control center of the cell.
6. This structure is found in plant cells, but not animal cells; it carries out the process of **photosynthesis**: _____.
7. **Proteins** are made by the _____.
8. The structure that **surrounds the cell** and controls what enters and leaves is the _____.
9. _____ are nicknamed the "**powerhouse** of the cell," they make energy for the cell.
10. The _____ surrounds the **nucleus** and controls what enters and leaves.
11. _____ are structures that contain digestive enzymes to **break things down**.
12. In addition to a cell membrane, plant cells also have a _____ that serves to provide **strength and support** to the cell.
13. Storage areas within the cell are called _____.
14. Found mostly in animal cells, the _____ helps with cell division.
15. The cell structure that receives, prepares and packages proteins either for use within the cell or for shipment out of the cell is the _____.
16. Located inside the nucleus, the _____ is involved in making ribosomes for the cell.
17. This system **makes lipids** and detoxifies things in the cell: _____.
18. **DNA (bound with proteins)** located within the nucleus of the cell is _____.
19. This **transportation** system is important in moving **proteins** through the cell: _____.

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Directions: On these diagrams of plant and animal cells, label *each* organelle (some will only be found in one of the cells).

- nucleus
- nuclear envelope
- nucleolus
- endoplasmic reticulum
- mitochondria
- chloroplast
- cell membrane
- cell wall
- vacuole
- lysosomes
- ribosome
- Golgi apparatus
- cytoskeleton

Label each cell as either a plant or animal cell.


