Name: __________________________________ Period: _____ Date: __________

Cell Organelles - Homework

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

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