

Name: _____ Date: _____

WORKSHEET 5-26

Cell Parts and Functions: Fill in the Blanks

Select the proper cell parts listed below to fill in the blanks of the sentences that follow.

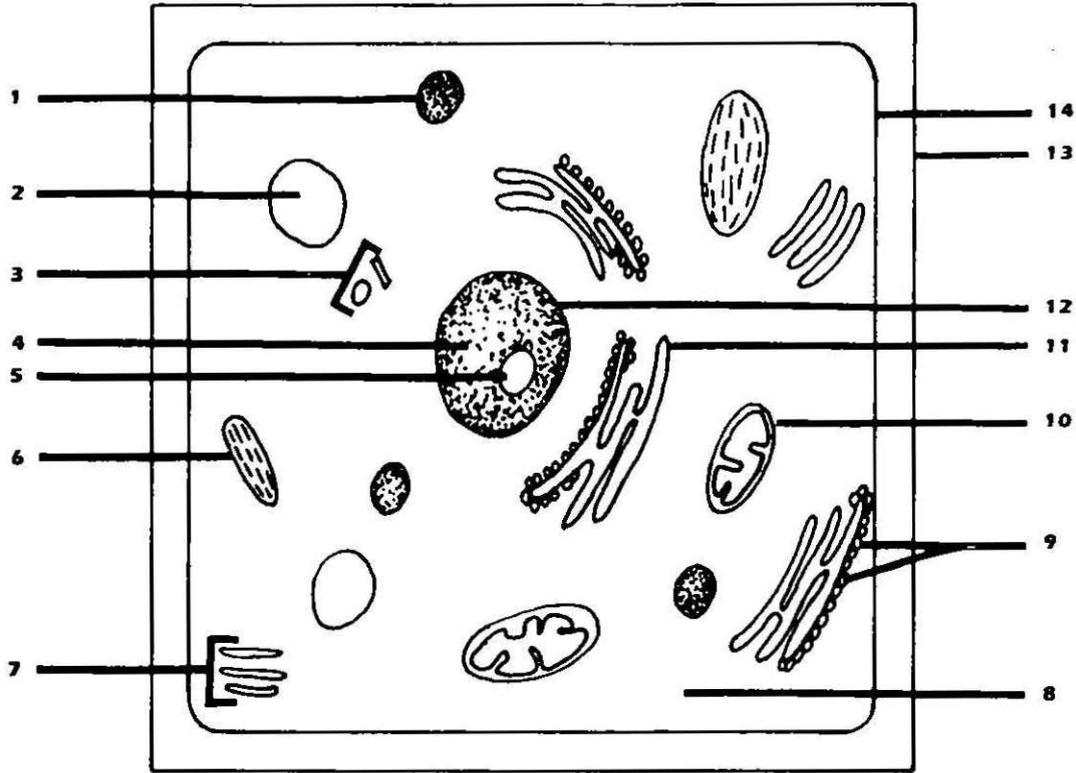
nucleus	cell membrane	cell wall	mitochondria
cytoplasm	nuclear membrane	nucleolus	vacuoles
Golgi complex	centriole	lysosomes	ribosomes
chloroplast	chromatin	endoplasmic reticulum	

1. The _____ is the semiliquid 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 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 for the cell.
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 the DNA material located within the nucleus of the cell is _____.

WORKSHEET 5-27

Cell Structure: Color Coding

Color the numbered parts of the cell below using the color coding guide at the bottom of the sheet.



Color Coding Guide:

- 1. Lysosomes = light red
- 2. Vacuoles = leave white
- 3. Centrioles (found mostly in animal cells) = purple
- 4. Chromatin (DNA material) = dark red
- 5. Nucleolus = black
- 6. Chloroplasts (not found in animal cells) = green
- 7. Golgi complex = dark blue
- 8. Cytoplasm = yellow stipples
- 9. Ribosomes = black
- 10. Mitochondria = yellow
- 11. Endoplasmic reticulum = light blue
- 12. Nuclear membrane = brown
- 13. Cell wall (not found in animal cells) = orange
- 14. Cell membrane = brown