Plant & Animal Cells

The ***cell theory*** states that:

1. _____
2. _____
3. _____

Structures and Their Function

*** *Match the following terms with their definition.*

1. Cytoplasm _____

2. Cell Membrane_____

3. Nucleus_____

4. Mitochondria_____

5. Endoplasmic Reticulum_____

6. Golgi Bodies_____

7. Vacuoles_____

8. Cell Wall_____

9. Chloroplasts_____

A. A jelly-like or liquid substance, in which all cell organelles are suspended.

B. Collect and process materials to be removed from the cell. Make and secretes mucus.

C. "Power plants" of the cell. Make energy available to the cells, by converting stored energy through *cellular respiration*.

D. Structure containing chlorophyll. Function is to absorb light energy used in photosynthesis in order to convert carbon dioxide and water into glucose and oxygen.

E. Contains genetic information that controls all cell activities.

F. Three-dimensional network of branching tubes and pockets that transport materials through the cell.

G. Rigid porous membrane that provides support for the cell and protection from physical injury

H. Fluid filled sacs. Various functions include containing substances, removing unwanted waste and maintaining fluid pressure within the cell.

I. Provides support for the cell and allows some substances to enter while keeping other substances out.

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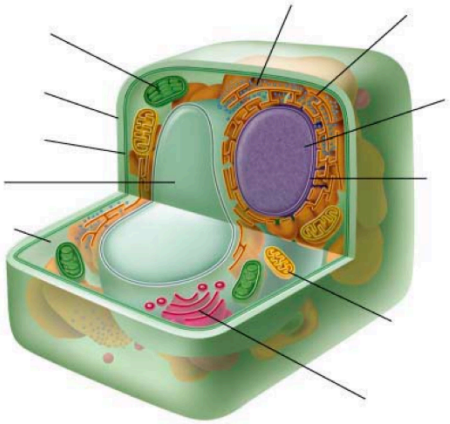

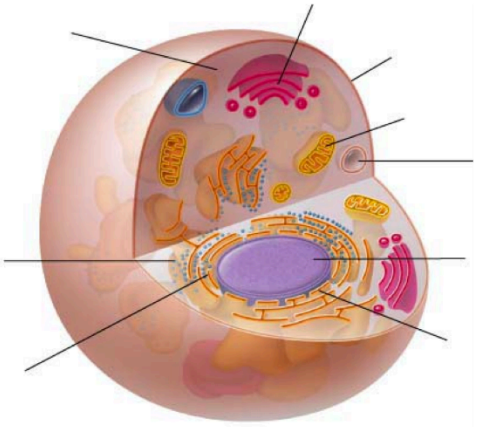

Word Bank

*** Note: some structures are found in both plant and animal cells and therefore can be used more than once.*

cytoplasm	nucleus	cell membrane	chloroplasts
cell wall	mitochondria	golgi bodies	
cell membrane	vacuole	endoplasmic reticulum	