Cells Study Guide

Use pages 62- 80 in your textbook.

| What are cells?  Cells are basic units of structure and function in living things. | |
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| What are the three main parts of cell theory?  All living things are made of cells, cells are the basic units of structure and function in living things. | |
| Which parts of a cell are found in both plants and animals? Which are found only in animals, and which are found only in plants?  Both: Endoplasmic Reticulum, Cytoplasm, Mitochondrion, Vacuole, Ribosomes, Cell Membrane, Golgi Apparatus, and Nucleus.  Only Plant Cells: Chloroplasts and Cell Walls.  Only Animal Cells: Lysosomes. | |
| What is the function of each of the following cell parts:  Cell Part Function | |
| Cell Wall | Protects and supports the cell. |
| Cell Membrane | A barrier that controls substances. |
| Nucleus | Oversees and directs cell activities. |
| Endoplasmic Reticulum (ER) and Ribosomes | ER helps make proteins and other things for the body.  Ribosomes produce proteins for the cells. |
| Golgi Apparatus | Packages and distributes protein and materials from the ER. |
| Mitochondria | Converts food into energy. |
| Chloroplasts | Makes food from sunlight. |
| Lysosomes | Breaks big things into smaller things. |
| Vacuoles | Stores things like water. |