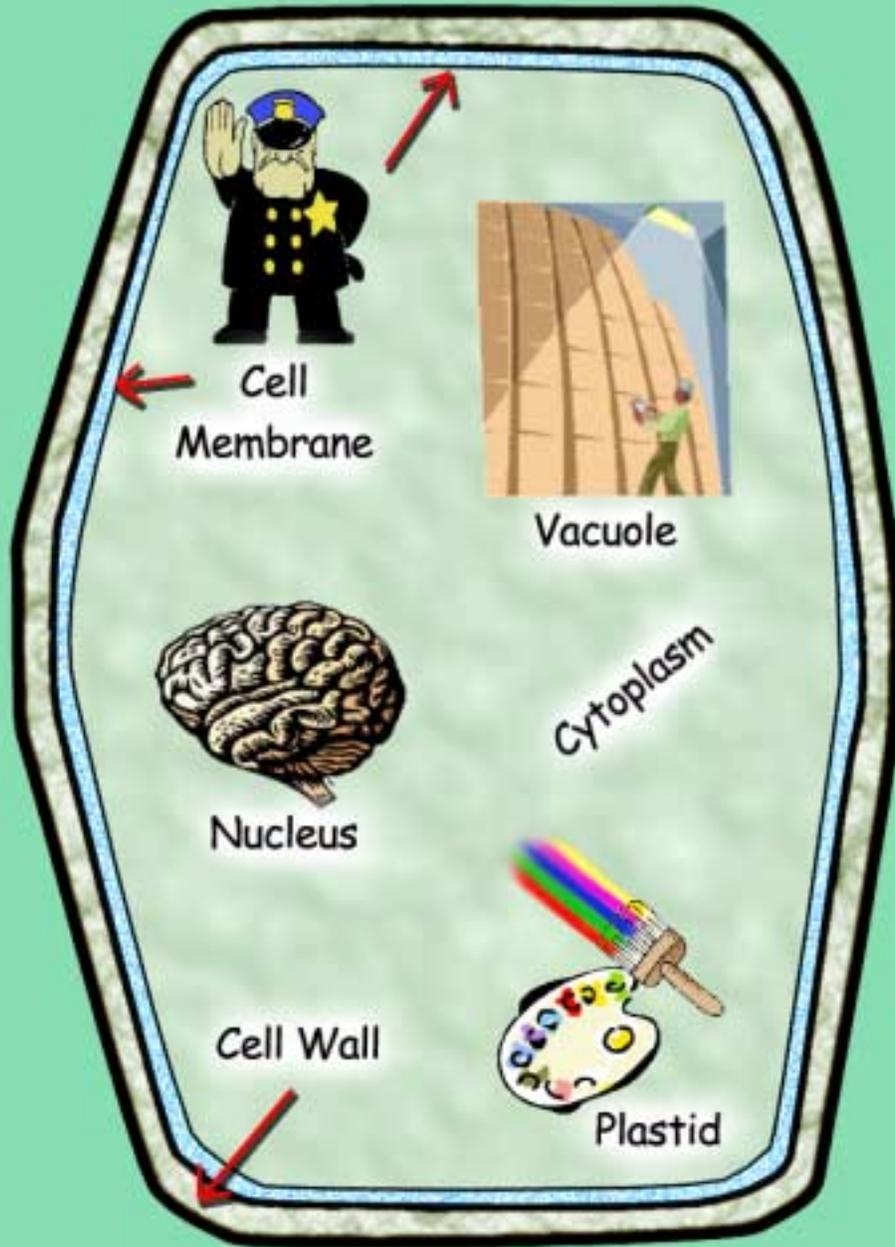


Parts of the Cell

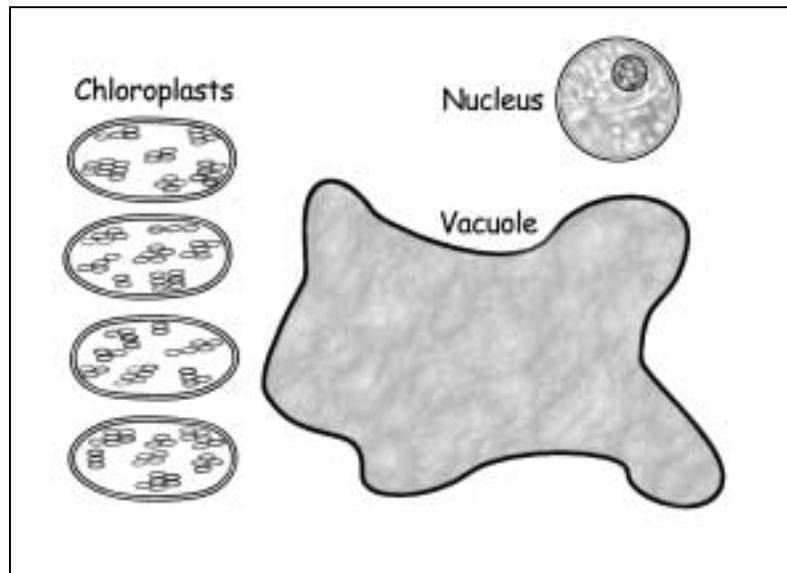
| Cell Part | Function |
|------------------------|--|
| Cell (plasma) membrane | controls entry into and out of cell |
| Cell wall | shapes and supports a plant cell |
| Chlorophyll | traps light and is used to produce food for plants |
| Chloroplasts | food for plant cells is made here |
| Chromosomes | contains code which guides all cell activities |
| Cytoplasm | jellylike substance within cell |
| Endoplasmic reticulum | surface for chemical activity |
| Golgi bodies | stores and releases chemicals |
| Lysosome | digestion center |
| microtubule | hollow cylinder that supports and shapes cell |
| Mitochondria | "powerhouse" of cell |
| Nuclear membrane | holds nucleus together |
| Nucleolus | spherical body within nucleus |
| Nucleus | chromosomes are found here |
| Plastid | stores food or contains pigment |
| Ribosomes | where proteins are made |
| Vacuole | contains water and dissolved minerals |

Parts of a Plant Cell



Parts of a Cell

| Cell Part | Description | Function |
|------------------------------|--|---|
| Cell (plasma) membrane | Semi-permeable membrane surrounding cell | Selects what enters cell - traffic cop |
| Nucleus | Spherical, often in center, bounded by membrane | Contains information to run cell - cell's brain or computer |
| Cytoplasm | Semi-fluid medium between plasma and nuclear membranes | Jellylike substance within cell - contains organelles |
| Vacuole | Membrane-bound sac | Stores food and waste - cell's warehouse |
| Cell wall (plant cells only) | Fibers of cellulose | Shapes and supports a plant cell |
| Plastid | Contain pigments | Determines color |



Parts of a Cell (Advanced)

| Cell Part | Function |
|------------------------|--|
| Cell (plasma) membrane | controls entry into and out of cell |
| Cell wall | shapes and supports a plant cell |
| Chlorophyll | traps light and is used to produce food for plants |
| Chloroplasts | food for plant cells is made here |
| Chromosomes | contains code which guides all cell activities |
| Cytoplasm | jellylike substance within cell |
| Endoplasmic reticulum | surface for chemical activity |
| Golgi bodies | stores and releases chemicals |
| Lysosome | digestion center |
| microtubule | hollow cylinder that supports and shapes cell |
| Mitochondria | "powerhouse" of cell |
| Nuclear membrane | holds nucleus together |
| Nucleolus | spherical body within nucleus |
| Nucleus | chromosomes are found here |
| Plastid | stores food or contains pigment |
| Ribosomes | where proteins are made |
| Vacuole | contains water and dissolved minerals |