PLANT CELL

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| Cell Membrane | Assembles materials called proteins. |
| Cell Wall | Controls all the activities within a cell. |
| Chloroplast | Jelly-like substance containing  organelles, water, and other life-supporting materials. |
| Cytoplasm | Energy-producing organelle in the cell. |
| Endoplasmic Reticulum | Structure that protects the cell and controls the movement of particles into and out of the cell. |
| Golgi Body | Network of membrane-covered channels in the cytoplasm that transport materials. |
| Lysosome | Packages some materials for transport inside the cell or for transport out of the cell. |
| Mitochondrion | Membrane-bound sac smaller than a vacuole; moves materials into, out of, and around the inside of the cell. |
| Nucleus | Temporarily stores substances and regulates water. |
| Ribosome | Contains digestive enzymes that help the cell break down large particles and old worn-out cell organelles. |
| Vacuole | Tough, rigid structure that surrounds the cell membrane. |
| Vesicle | Traps the energy from the Sun and changes it into chemical energy. |

**ANIMAL CELL**

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| Cell Membrane | Assembles materials called proteins. |
| Cytoplasm | Controls all the activities within a cell. |
| Golgi Body | Jelly-like substance containing  organelles, water, and other life-supporting materials. |
| Endoplasmic Reticulum | Energy-producing organelle in the cell. |
| Lysosome | Structure that protects the cell and controls the movement of particles into and out of the cell. |
| Mitochondrion | Network of membrane-covered channels in the cytoplasm that transport materials. |
| Nucleus | Packages some materials for transport inside the cell or for transport out of the cell. |
| Ribosome | Stores substances; moves materials into, out of, and around the inside of the cell. |
| Vesicle | Contains digestive enzymes that help the cell break down large particles and old worn-out cell organelles. |



