

PLANT CELL ORGANELLES FUNCTION CHART

| Organelles | Function |
|---------------|---|
| Chloroplast | Captures energy from light for photosynthesis. Solar panels of the cell. |
| Lysosome | Uses enzymes to break down old organelles and macromolecules. Garbage disposal of the cell. |
| Ribosome | Creates polypeptide chains and proteins. Factory of the cell. |
| Nucleus | Contains DNA of the cell. Brain of the cell. |
| Golgi body | Modify, sort, and ship proteins and lipids. Post office of the cell. |
| Centriole | Help organize cell division. |
| Cytoplasm | Material inside the cell membrane but outside of the nucleus. |
| Cell wall | Gives plant cells extra stability and structure. |
| Nucleolus | Inner part of the nucleus that begins the assembly of ribosomes. |
| Vacuole | Stores water, salts, and carbohydrates. Kitchen of the cell. |
| Cell membrane | Controls what comes in and goes out of the cell. |
| Mitochondria | Makes ATP (energy). Powerhouse of the cell. |