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| **Cell Part** | **Function** | **Animal or Plant cell?** |
| Cell Membrane | Controls what going in and out of the cell. | Animal and plant |
| Cell Wall | Supports and Protects | Plant cells |
| Chloroplast | Contain Chlorophyll. Where photosynthesis occurs. | Plant |
| Cytoplasm | Gel Like substance inside the cell. Contains organelles | Animal and plant |
| Rough and Smooth Endoplasmic  Reticulum | RER - Helps make and transport proteins  SER – make and transport lipids | Animal and plant |
| Golgi Bodies | Builds complex molecules and packages them for transport in vesicles around and out of cell. | Animal and plant |
| Lysosome | Digests proteins, fats and carbohydrates | Animal and plant |
| Mitochondria | Produce energy | Animal and plant |
| Nucleus | Control center of the cell - contains DNA & Chromosomes | Animal and plant |
| Ribosomes | Make Proteins | Animal and plant |
| Vacuoles | Space for storage of many things. Contain water (sap in plants) | Animal (small) and plant (very large) |

**Animal cell**

**Plant cell**