

## Cellular Organelles

Organelle	Function	Plant/Animal/ Both
Nucleus	Control center of the cell (contains DNA)	Both
Cytoplasm	Liquid that fills the cell and the organelles found within it	Both
Cell (Plasma) Membrane	Surrounds the cell providing protection, shape and communication with other cells	Both
Ribosome	where proteins are made (synthesized)	Both
Mitochondria	Site of aerobic (cellular) respiration (provides usable energy for the cell)	Both
Vacuole	Storage of wastes and in plant cell mainly for water storage	Both (larger in plants)
Endoplasmic Reticulum (general function & smooth vs. rough)	Transports proteins throughout the cells (rough has ribosomes on it)	Both

	and smooth does not)	
Golgi Body/apparatus	Packages large molecules to be sent out of cell or throughout the cell	Both
Chloroplast	Site of photosynthesis	Plant
Cell Wall	Surrounds a plant cell providing structure and some protection	Plant
Centrioles	Involved in cell division	animal
Lysosome	Membrane enclosed sac that contains digestive enzymes (digests food)	Mainly animal
Peroxisome	OMIT	