

Name: _____

Entry #: _____

Date: _____

Cell Organelles

Directions: Use the link to the *Cell Organelle Tackk* on the classroom website to help you complete the following table.

Organelle Name	Function in the Cell	Is it located in plant cells, animal cells, or both?
Cell Membrane	The outer covering of a cell. It controls what enters and leaves the cell.	Both
Cytoplasm	The fluid that fills the inside of the cell. "Jelly-like" substance. All the organelles are located inside this fluid.	Both
Nucleus	The control center or brain of the cell. It directs all of the cells activities. It also contains the cell's DNA.	Both
Mitochondria	Organelle that "digests"/breaks down food to release energy for the cell.	Both
Endoplasmic Reticulum	Manufacturing & packaging organelle that runs throughout the cell. It has the ability to transport materials throughout the cell. It can be rough or smooth.	Both
Golgi Apparatus/ Bodies/Complex	Another organelle that processes materials. It creates vesicles, which are packages that are able to transport the materials out of the cell.	Both
Ribosomes	Small organelle that synthesizes (produces) proteins.	Both

Vacuoles	Storage container that stores food, water, or waste.	Both
Lysosomes	Organelle that breaks down and digests unneeded or dangerous items in the cell.	Normally just animal cells
Cell Wall	Rigid, strong organelle that encloses, supports, and protects the cells of plants, fungi, & some bacteria.	Plants
Chloroplasts	Green, chlorophyll-containing organelle found in plant cells that captures light energy, which is used to create food.	Plants