

Fill in the structure and function of each organelle. Place a ☒ under plant and/or animal to show what type of cell the organelle is located in.

Organelle	Plant	Animal	Structure	Function
Cell Wall	<input checked="" type="checkbox"/>		stiff, surrounds cell	gives shape and support, helps plant stand upright, made of cellulose
Cell Membrane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	thin, flexible, like skin, semi-permeable	controls what goes in and out of the cell such as water, nutrients, and waste.
Nucleus	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	large, round, near center of cell, appears darker	the brains of the cell, directs activities of the cell, contains chromosomes
Nuclear Membrane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	thin layer, surrounds the nucleus	protection, controls the materials that move in and out of the nucleus
Mitochondria	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	oval, footprint shape	powerhouse, burns sugar to produce most energy for the cell
Endoplasmic Reticulum (E. R.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ribbon like, folded membrane, tubes, can be smooth or rough	delivery system, passageways that carry materials from one part of the cell to another
Ribosome	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	tiny, dark, round, no membrane, can be attached to the E.R.	makes proteins and passes them to the E.R.
Golgi Body	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	stacks of flattened sacs, channels, folded membrane	receive proteins and other materials from the E.R. Packages them and distribute them to other parts of the cell.
Chloroplast	<input checked="" type="checkbox"/>		oval shape	capture energy from the sun and use it to produce food for plant cells
Vacuole	<input checked="" type="checkbox"/>		large, round, fluid filled sac	stores water and nutrients needed by cell and also stores waste
Lysosome	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	small, round, bag like	contains enzymes (chemicals) to digest wastes, foods, and worn or damaged cells.
Chromosome	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	string like colored bodies	carry the code material (DNA) that controls the cells activities
Cytoplasm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	fluid, clear, jellylike	constantly moving fluid that contains organelles, provides shape and support

--	--	--	--	--