

Function of Cell Organelles

Date _____

Last Name _____, First _____ per ____

Fill in the missing words in the empty cells in the table below.

Cell Part	Description	Function
	The outside border of a cell	Control substances coming in and out of the cell.
	Jelly like substance found between the nucleus and the cell membrane	Hold the organelles
Nucleus		
	A tiny nucleus inside the nucleus	Produces ribosomes
	A shiny substance found inside the nucleus made of stands of DNA	Its DNA controls all functions of the cell including cell division
Endoplasmic reticulum	A maze of passageways surrounding the nucleus	
	round structures; may be attached to to the endoplasmic reticulum, or may float freely in the cytoplasm	The protein factory where Amino acids are put together to produce proteins
	Rod shaped organelle; with a folded membrane that looks like stripes; Has its own DNA	It produces energy for the cell
	Water filled sacs	Store water food and other materials.
	Sometimes shaped like a crescent moon	The cells stomach ; Contains enzymes that break down food wastes and cell parts
	Structures found only in plant cells which contain green chlorophyll	Absorb sunlight for photosynthesis; the process where CO ₂ forms sugar
	The thick border of a plant cell; made of cellulose	Gives plants stems their rigid sturdiness for support

- Name 3 processes of life shared by all living things including cells. _____

- Name 2 cell parts that are found in plant cells but not animal cells. _____

- Why is the process that takes place in the mitochondria often described as the opposite process that takes place in the chloroplasts? _____
