

Name _____ Date _____

CELL PART AND FUNCTION

Match the organelle with the function it carries out inside a cell.

cell membrane	cytoplasm	nucleolus
cell wall	cytoskeleton	nucleoplasm
central vacuole	golgi apparatus	nucleus
centriole	leukoplast	ribosomes
chloroplast	lysosome	rough endoplasmic reticulum
chromoplast	mitochondria	smooth endoplasmic reticulum
chromosomes	nuclear membrane	vacuole

- _____ This is the control center of the cell.
- _____ This is made of DNA and is the storage area for all genetic information.
- _____ This is the site of protein synthesis in a cell.
- _____ This porous structure surrounds the nucleus, keeping it intact.
- _____ This internal membrane system is so extensive that it accounts for more than half the total membrane in a cell.
- _____ When newly formed proteins leave the rough endoplasmic reticulum, they are transported to this organelle, where the proteins are sorted and packaged. 7 This part of the cell manufactures the ribosomal subunits.
- _____ This part of the cell is surrounded by a very thick outer membrane to protect the rest of the cell from its strong enzymes.
- _____ The portion of the cell that exists outside of the nucleus.
- _____ The part of the cell that controls what enters and leaves the cell.
- _____ The part of the cell where chromosomes would be found.
- _____ This membrane connects the nuclear membrane to the cell membrane.
- _____ This part of the cell contains strong digestive enzymes to break down proteins, carbohydrates and lipids into small molecules that can be used by the rest of the cell.
- _____ These are the most numerous of the cell's organelles.
- _____ This serves as the "powerhouse" of the cell.
- _____ The place where lipids are manufactured.
- _____ This part contains the instructions for making proteins and other important molecules.
- _____ This organelle consists of two types of fibers called microfilaments and microtubules.
- _____ Choose 2 of the organelles from the list above that would never be found in a plant cell.
- _____ These three organelles all are surrounded by a double membrane.