

Name: _____ Date: _____ Class: _____

Organelle Worksheet

Part 1: Match the organelle with its function. Put the number of the organelle in the box in front of the matching definition. (See example)

1. Cell Membrane		"Brain" of the cell.
2. Cytoplasm		Maintains structure of the plant cell.
3. Nucleus		A selectively permeable boundary.
4. Vacuole		Transports proteins/substances.
5. Ribosomes		Packages and ships materials.
6. Endoplasmic reticulum		Digests wastes.
7. Mitochondria		Gel-like material within the cell.
8. Golgi bodies		Makes protein.
9. Lysosomes		Provides cell with energy.
10. Cell wall	11	Found only in plant cells to absorb sunlight for energy.
11 Chloroplast		Stores water and nutrients.

Fill in the blank:

1. _____ and _____ are found only in plant cells.
2. The _____ is the most basic unit of life.
3. The cell is made up of different _____ which carry out the many different functions and actions of the cell.
4. Plant cells have one large central _____, whereas animal cells have many smaller ones.
5. An organism's overall health is dependent upon the health of its _____.

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In the table below, check off whether the organelle is in a plant cell, animal cell, or both:

	Plant Cell	Animal Cell	Both
Mitochondria			
Nucleus			
Cell Membrane			
Chloroplast			
Lysosome			
Ribosome			
Golgi Body			
Cell Wall			
Cytoplasm			
Endoplasmic Reticulum			
Vacuole			

Short Answer:

What is the need for the difference in the vacuoles between plant and animal cells?

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What are the three points of the cell theory?

Some organelles are only in plant cells. List these organelles and explain why it is important for plant cells to have these organelles and why animal cells do not need them.
