

Cell Organelles

Name: Key
 Date:
 Block:

Inside a cell

- Microscope technology has allowed us to observe two types of cells:
 1. Animal cells
 2. Plant cells
- An organelle is a cell structure in which functions are carried out to ensure the cell's survival.
- The organelles take up 5 to 30% of the cell. The rest is water.

Analogy: is a way to understand new ideas by making a comparison.

The organelles

Use pages 24-30 in your BC Science 8 textbook, to research the different organelles! Fill in the following table.

Organelle	Picture	Function (Role)	Animal and/or Plant
1. Nucleus			
2. Cell Membrane			

Organelle	Picture	Function (Role)	Animal and/or Plant
3. Cell Wall			
4. Cytoplasm			
5. Mitochondria			
6. Chloroplasts			

Organelle	Picture	Function (Role)	Animal and/or Plant
7. Endoplasmic Reticulum			
8. Ribosomes			
9. Golgi Body			
10. Vesicles			

Organelle	Picture	Function (Role)	Animal and/or Plant
11. Vacuoles			
12. Lysosome			

Summary!

What do you think would happen to the cell if it didn't have a...

a) Mitochondria?

b) Nucleus?

c) Lysosome?

d) Cell membrane?