

Cell Analogies Booklet

“It takes 3 million cells to cover the head of a pin, but only 1 cell booklet to cover a large part of your biology grade!”

Purpose: To learn about cell organelles and their functions by designing an electronic booklet on Microsoft PowerPoint that contains:

1. Diagrams of plant and animal cells.
2. A description of the functions of organelles in cells.
3. Creative analogies that link organelles to every day objects.

DUE DATE: _____

Directions:

1. Design a cover page on PowerPoint that includes a title, your name, your class period, the date and Sych-Biology.
2. Find pictures of a plant cell and an animal cell that include their organelles to place into your power point. Make sure to indicate the location that you found your cells..
 - Golgi Body
 - Cell Membrane
 - Mitochondrion
 - Nucleus
 - Smooth Endoplasmic Reticulum
 - Ribosomes
 - Cytoplasm
 - Vacuole
 - Cell Wall
 - Chloroplast
 - Lysosome
 - Flagellum
 - Cilia
 - Cytoskeleton
 - Nucleolus
 - Rough Endoplasmic Reticulum
3. Find out the function (or main job) each structure has in the cell. (Read your book, use teacher resource books in class, check the internet, or check the library for books.) After the title page and your diagrams of the cells, you will need to describe the structure and function of each organelle.
4. Find a picture of an everyday object that has a similar function (or use) as each cell structure. You may find these pictures on the internet and import them into your PowerPoint booklet or you may find them in a magazine, newspaper, or you may draw them and scan them into your booklet.
5. Next write an analogy to show the similarity between the cell part and the every day object. Be sure to explain the reasoning behind your analogies. Example:

The nucleus is like a brain because it controls and coordinates the activities of the whole cell in the same way the brain controls and coordinates activities of the body.

*Sorry this example may not be used as one of your analogies. You must be original and different from your peers in your analogies.
6. You may organize your electronic booklet as you wish! Just make sure that you have a title page, diagrams of an animal and a plant cell that you completed, a description of each organelles function, and an analogy with a picture for each organelle.
7. When you complete your electronic booklet, make sure that you save your project with your name and period to your network file.

PLEASE DO NOT PRINT YOUR POWERPOINT.
8. You will be graded on content, neatness and creativity!