

A Cell is Like A...

(Model Project)

In this project you will be making an analogous poster of a plant or animal cell. This means, you will be comparing the cell and its organelles to a social system/structure of some kind. For example, you could say:

- A cell is like a city
- A cell is like a medieval kingdom
- A cell is like an army
- A cell is like a _____
(your idea here)

Your **model** will look like **the cell you are creating or the social system**. However, you should have EACH of the following organelles represented in your model:

- Cell membrane (animal cell) or cell wall (plant cell)
- Nucleus
- Ribosomes
- Endoplasmic reticulum
- Mitochondria
- Golgi complex
- Lysosomes
- Vacuoles (plant cells only)
- Chloroplasts (plant cells only)

For **EACH** part in your model, you are to **PRINT OUT A LABEL WITH THE NAME OF THE ORGANELLE AND A PICTURE OF THE CORRESPONDING CELL ORGANELLE or SOCIAL SYSTEM PART**.

For example, if you are comparing your cell to a city, your nucleus could be compared to "city hall," likewise the lysosomes would be compared to the "garbage trucks/landfills".

In your model, the nucleus should have a label that has a picture of city hall and it should say "nucleus" .

You will also **write a short composition** (about 3 paragraphs) explaining how the system to which you chose to compare the cell is a good analogy. In this composition, you will explain each organelle's comparison in 2-5 sentences.

Ex: The nucleus is compared to city hall in this cell model because just like the city hall in a city or township, the nucleus is the control center of a cell. The nucleus holds all the information for the cell to carry out its functions. Similarly, city hall is where the instructions and laws for the city's functioning are carried out.

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