

Assignment: Cell City

Mrs. Côté

Name: _____

Biology 11

Due Date: _____

Assignment Requirements:

1. You are to use 2 separate pieces of paper for the assignment, one blank and one lined. Before passing the assignment in please make sure to staple the assignment together.
2. First page: on the lined piece of paper, create a chart like the following:

Organelle	City Equivalent	Reason for Comparison

3. Using the organelles listed below identify what part of a city would be equivalent to the organelle based on its function and processes that occur there. Then explain your reason for their comparison making sure to explain how it acts the same or similar to the part of the city compared to. Example: the nucleus could be equivalent to the city hall in a city as it is where the city is maintained and instructions are given to run the city properly much like the nucleus gives direction to the cell.
4. Second page: on the blank piece of paper, create a drawing of your city with each of the parts of the cell labeled as their corresponding city part.
5. Make sure you color your picture and it is completed using the rubric provided.

Organelles to be used:

nucleus, nucleolus, nuclear membrane, ribosomes, SER & RER, Golgi apparatus, chromosomes, lysosomes, vacuoles, mitochondria, cytoskeleton (microtubules and microfilaments), chloroplast, cell membrane, cell wall and centrioles.

Rubric:

	Excellent (4)	Very Good (3)	Good (2)	Needs Work (1)
Organelle's Function	All organelles are present and their functions are represented correctly.	All or most organelles are present and most of their functions are represented correctly.	All or some organelles are present and some of their functions are represented correctly.	Many of the organelles are not present or are not represented correctly.
Organelle's Analogy (City Equivalent)	The city equivalent for every organelles was logical and defended well.	The city equivalent for most organelles was logical and defended well.	The city equivalent for some organelles was logical and defended.	The city equivalent for organelles was very good and could have used some more thought.
City Drawing	The drawing is completed neatly showing all the organelles.	The drawing is mostly complete and neatly showing all the organelles.	The drawing is missing some organelles and may or may not be completed neatly.	The drawing is struggling to show all organelles and/or is not neat enough to recognize them.
Completion	The assignment was 100% completed according to the instructions and was easily read..	The assignment was mostly completed according to the instructions and was mostly easy to read.	The assignment struggles to be completed according to the instructions and may or may not be easily read.	The assignment did not represent the instructions given and/or was difficult to read.