

Directions:

- Using the cell parts listed below, identify a part of a city that would correspond or act similar to each cell part and create a map/picture of your city labeling the parts of the cell on each part of the city it corresponds to.
Example: The nucleus could be the city hall as it is where the city is maintained and instructions are given for the city to run properly.

List of Organelles Needed:

nucleus, nucleolus, nuclear membrane, ribosomes, SER & RER, golgi apparatus, lysosomes, vacuoles, mitochondria, cytoskeleton, chloroplast, cell membrane, cell wall.

- On a separate piece of paper create a chart like the one found below showing each of these parts and then give a reason for the comparison.

Chart:

Cell Part	City Equivalent	Reason for Comparison
Nucleus		
Etc.....		

- Make sure you color your picture and it is completed using the rubric provided.

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 passed in on time	The assignment was mostly completed according to the instructions and was passed in on time.	The assignment struggles to be completed according to the instructions and/or was not passed in on time.	The assignment did not represent the instructions given and/or was not passed in on time.

Assignment: Cell to City Analogy

Mrs. Côté

Name: _____

Biology 11

Directions:

4. Using the cell parts listed below, identify a part of a city that would correspond or act similar to each cell part and create a map/picture of your city labeling the parts of the cell on each part of the city it corresponds to.
 Example: The nucleus could be the city hall as it is where the city is maintained and instructions are given for the city to run properly.

List of Organelles Needed:

nucleus, nucleolus, nuclear membrane, ribosomes, SER & RER, golgi apparatus, lysosomes, vacuoles, mitochondria, cytoskeleton, chloroplast, cell membrane, cell wall.

5. On a separate piece of paper create a chart like the one found below showing each of these parts and then give a reason for the comparison.

Chart:

Cell Part	City Equivalent	Reason for Comparison
Nucleus		
Etc.....		

6. Make sure you color your picture and it is completed using the rubric provided.

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 passed in on time	The assignment was mostly completed according to the instructions and was passed in on time.	The assignment struggles to be completed according to the instructions and/or was not passed in on time.	The assignment did not represent the instructions given and/or was not passed in on time.