

### Cell City 1-3

## Cell City Project

*Core Standard: Understand the cellular structure of living organisms, both single-celled and multi-cellular. State Standard 7.3.4 Compare and contrast similarities and differences between specialized subcellular components within the plant and animal cells, including organelles and cell walls that perform essential functions and give a cell its shape and structure.*

In this project, you will compare a cell to a city. Using regular size poster board, divide it in half (see example below). You will leave a lower section available for your comparison key.

- On the left half, **draw** a picture of an animal cell and **label** all the parts that you identified in your comparison worksheet.
- On the right half, diagram a city and **label** all the structures.
- On the bottom section, you will **list** your comparisons between the two sides that are similar and represent each other.  
(Ex. REMC = mitochondria)
- Make sure to **be neat, use color** and make it at least 2-dimensional.
- You can use a variety of objects to make your project stand out, such as, cotton, paint, sandpaper, grass, toothpicks, rocks, cars, candy, etc.
- Have fun with this project!

This project is worth **75 points** and will be recorded as a test score. You will find the **grading rubric on the reverse** side of these instructions.

**Once your poster is complete, please tape the rubric to the back of your poster with your names on it.**

<u>Cell</u>	<u>City</u>
REMC = mitochondria	

Name \_\_\_\_\_

**Cell City Rubric**  
**75 points**

	A	B	C	D-F
Cell Description 24 pts	Labeled <b>all</b> parts of a cell and drew accurately  22-24	Labeled most parts of a cell and had most drawn accurately  20-21	Did not label cell and/or did not draw structures in a cell  18-19	Did not do this part of the project  0-17
City Description 24 pts	Labeled <b>all</b> parts of your city and drew in structures  22-24	Labeled most parts of your city and had most structures drawn  20-21	Did not draw and/or label city  18-19	Did not do this part of the project  0-17
Comparison 12 pts	Did a good job of comparing a cell to that of a city; could distinguish between the similar structures  11-12	Did an okay job of comparing a cell to that of a city; could somewhat distinguish between the structures  10	Did a poor job of comparing a cell to that of a city; similar structures were not identifiable  9	Did not do this part of the project  0-8
Overall Appearance 15 pts	Looks good and is set up according to format; used 3D  14-15	Looks okay and is set up somewhat with format; used 2D or 3D  12-13	Look is not becoming and is not set up according to format; did not use 2D  10-11	Poster is not finished and/or is not set up according to format; did not use 2D  0-9

**Grade:**        /75