

## Cell City 1-2

Names: \_\_\_\_\_

*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.*

**Directions: Using what you've learned in Lesson 1, Cell City 1-1 and looking ahead to Lesson 3 (pgs 395-403), complete the following activities.**

1. Fill in the function of each structure/organelle in the first column.
2. In the second column, compare each structure above with someplace in a city that does a similar job. You can be very specific or more generalized. (*For example: Mitochondria is similar to REMC (power company) in a city because it provides power for the whole city.*)
3. Once finished, you will need teacher approval: \_\_\_\_\_ (teacher initials)

Cell Structure/ Organelle	Function of the Structure/Organelle	Similar to _____ in a city because _____
Nucleus		
Chromosomes		
Nucleolus		
Rough ER		
Smooth ER		

Golgi complex		
Lysosome		
Mitochondria		
Ribosome		
Vacuole		
Cell membrane		
Cytoskeleton		