

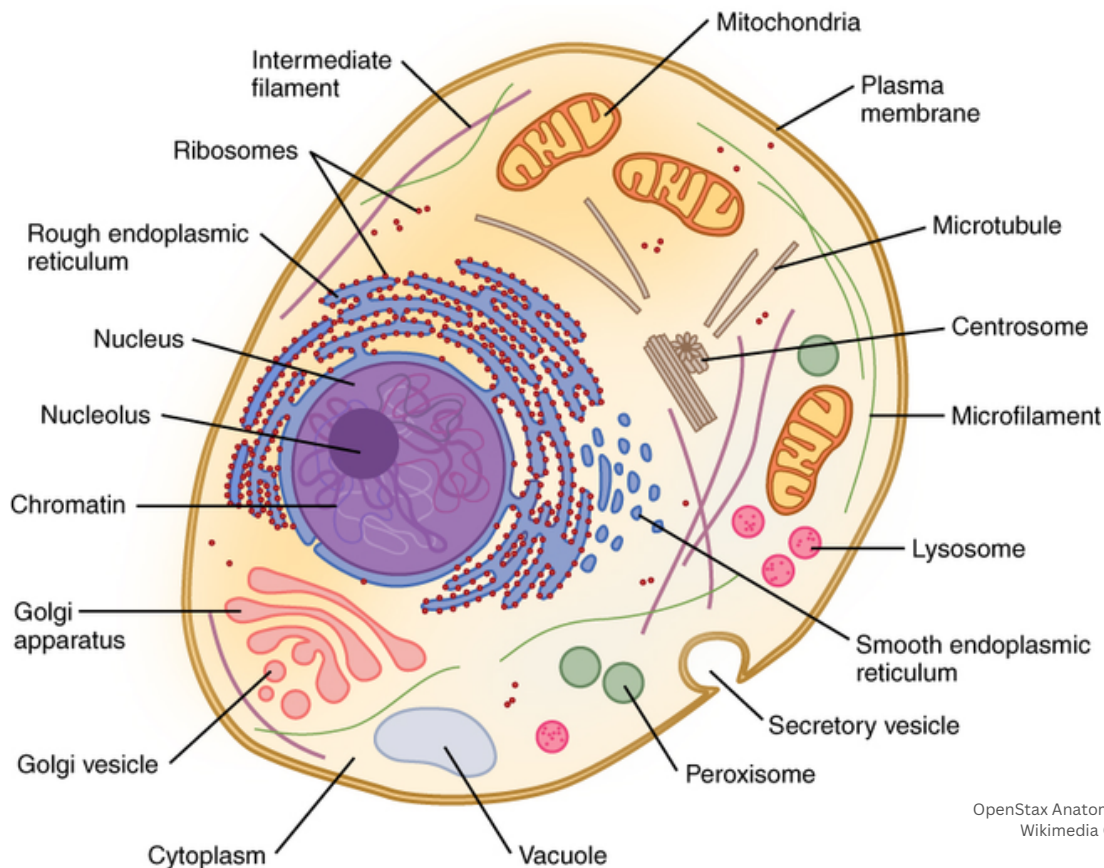
A Map of “Cell City”

Materials:

- A data table (Next Page)
- Blank paper or graph paper
- Colored pencils

Design a Cell City Map!

Using blank or graph paper, design a city containing all of the structures from Column 1 of the table on the next page. Fill in Column 3 by describing how the structure and organelles are similar.



OpenStax Anatomy & Physiology
Wikimedia Commons

Note: To extend this activity, create a **Cell Country** Map. The Cell Country Map should contain at least two Cell Cities. How would those cities interact to mimic the way a multicellular organism functions on a cellular level?



A Map of “Cell City” - Table

STRUCTURE	ORGANELLE EQUIVALENT	SIMILARITIES
City Hall	Nucleus	Like a city hall, the nucleus regulates the activities of the cell
Power Plant	Mitochondria	
Garbage Facility	Lysosomes	
City Limits	Cell Membrane	
Delivery Service	Golgi Body	
Post Office	Endoplasmic Reticulum	
Store	Ribosome	
Storage Facility	Vacuole	