

Cell City Project - You are the architect!

NAME(S):

Due Date: _____

Assignment:

You will create a poster that compares a living plant cell and its organelles to a _____ (i.e: city, building, school, factory, ballpark, store, community, etc) Your poster must include a creative title with the word "cell" somewhere in it. All of the parts of the "city" must be labeled with the organelle name and the analogy you chose to represent it (put parentheses around the analogy). Your poster must be colorful, neat and creative. It should be done on a full piece of poster board. Have fun designing your "cell city." Be sure to include all of the organelles listed on the attached sheet and the appropriate analogies.

Procedure:

- _____ Step 1: Select your analogy. (A cell is like a _____)
- _____ Step 2: Complete the cell city analogy worksheet
- _____ Step 3: Make a rough draft of your poster idea
- _____ Step 4: Create your poster (colorful, neat and creative)
- _____ Step 5: Label your poster with the cell organelle and analogy
- _____ Step 6: Select a creative title (the word "cell" is in the title)
- _____ Step 7: Practice presenting your poster
- _____ Step 8: Turn in completed cell city analogy worksheet and poster
- _____ Step 9: You will present your poster during class time.

Cell City Analogy Worksheet (turn this completed page in with your poster)

Plant cell is being compared to a _____

Creative name of project: _____

Use the following chart to explain why you chose each part of your "city" to represent each organelle.

Cell Part	Function in a Living Cell	Analogy - Identify the part and explain why this part of your "city" is like the organelle it represents?
cell wall		
cell membrane		
nucleus		
cytoplasm		

Cell Part	Function in a Living Cell	Analogy - Identify the part and explain why this part of your "city" is like the organelle it represents?
endoplasmic reticulum		
Large Central Vacuole		
mitochondria		
chloroplasts		
golgi bodies		
ribosomes		
lysosomes		

Cell City Grading Rubric (turn this page in with your poster)

Required Elements	15	10	5	3
Organelles Represented	All 11 organelles present	Most organelles present	Some organelles present	Few organelles present
Analogies	All analogies make sense	Most analogies make sense	Some analogies make sense	Few analogies make sense
Visual Appeal	Very colorful Extremely neat Great attention to detail Great use of space	Colorful Neat Good attention to detail Good use of space	Some color Fairly neat Some attention to detail Fair use of space	Little or no color Not neat Little attention to detail Poor use of space
Quality	Great deal of time and effort shown Accurate spelling of all words	Time and effort shown Accurate spelling of most words	Some time and effort shown Accurate spelling of some words	Little time and effort shown Many spelling errors
Creativity	Very creative title Excellent creativity	Good title Good creativity	Fair title Fair creativity	Poor title Little creativity