

Cell Analogies

Name _____

You will be comparing a cell's organelles and functions to another organized, functioning system in our society (i.e. school, restaurant, sports team, factory, mall, etc.).

Decide the system you would like to compare to the cell organelles and complete the following chart.

Organelle	Function of Organelle (What does the organelle do?)	Comparable Job	Job function related to organelle function (How does this compare to the cell organelle?)
Mitochondria			
Cell Wall			
Chloroplasts			
Nucleus			
Vacuoles			
Cytoplasm			

System Comparison: _____

Project Requirements

Use your completed analogy to complete a visual and written piece for your project. Choose one (1) to complete from each of the following boxes. You will need to complete one *VISUAL* and one *WRITTEN*.

VISUAL

Drawing

Using a construction-sized piece of paper or larger, draw a picture, or scene, of all the organelles completing their "jobs".

Diagram (3-D Model)

Construct a diagram (3-D model) displaying a scene of all the organelles completing their "jobs".

- ❖ Your visual piece needs to show your organelles completing the jobs you have described in your analogy.
- ❖ Be creative, neat, and colorful!

WRITTEN

Comic Strip

- Must be at least 8 frames
- Must include a short story and pictures
- Must include all organelles and their functions
- Must be colorful and neat

Story

- Must be at least 3 paragraphs
- Must include all organelles and their functions
- Must have a beginning, middle, and end
- Must include correct grammar and conventions and be neat

Song/Poem

- Must include at least 10 lines (sentences)
- Must include all organelles and their functions
- Must be creative and neat

- ❖ Your written piece of the project needs to portray all your organelles and their jobs in a creative comic, story, or song.
- ❖ Be creative and have fun!!

Cell Analogies Rubric

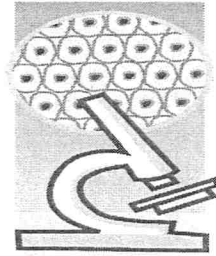
Name _____ Period _____

Analogy

- Function /6
- Job /6
- Job related to organelle /6

Visual

- Organelles are represented /6
- Functions of organelles are represented /6
- Creativity /3
- Neatness /3



Written

- Organelles are represented /6
- Functions of organelles are represented /6

Comic Strip

- Creativity /3
- Neatness /2
- 8 Frames /1

Story

- Creativity /2
- Neatness /2
- 3 paragraphs /1
- Correct grammar & conventions /1

Poem/Rap

- Creativity /3
- Neatness /2
- 10 lines /1

Total /54