|  |  |
| --- | --- |
| **Science 8****Cell Analogy Project** | **Name:Date:Block:** |

**Project is due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

Imagine that a cell is like a house, a school, a mall etc.

Brainstorm which parts of an animal cell represents each organelles. All organelles must be represented and labeled.

Display your knowledge visually on an 11x14 sheet of paper.

**My analogy: A cell is like a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

| **Organelle:** | **Function:** | **Part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.** | **Why?** |
| --- | --- | --- | --- |
| Nucleus  |  |  |  |
| Cell membrane |  |  |  |
| Cytoplasm |  |  |  |
| Ribosome |  |  |  |
| Endoplasmic Reticulum |  |  |  |
| Golgi Body |  |  |  |
| Lysosome |  |  |  |
| Mitochondria |  |  |  |
| Vacuole |  |  |  |
| Vesicles |  |  |  |

**Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Beginning** | **Developing** | **Competent** | **Accomplished** |
| **Presentation** | Diagram is:* Messy
* Incomplete
* Poorly labeled
* Not colourful
 | Diagram is:* Sloppy
* Somewhat complete
* Somewhat labeled
* Somewhat colourful
 | Diagram:* Somewhat neat
* Complete
* Labeled
* Colourful
* Eye-catching
 | Diagram:* Neat
* Complete
* Labeled
* Colourful
* Eye-catching
 |
| **Content** | * Choices for organelle representation is not logical and not well explained
* Viewer is confused about why representations were chosen
* The poster does not display an understanding of the organelles
 | * Choices for some organelle representation is not logical or well explained
* Viewer is confused about why a representation was chosen
* A basic understanding of the the roles of some organelles is evident
 | * Choices for organelle representation is somewhat logical and fairly well explained
* An understanding of the roles of the organelles is evident
 | * Choices for organelle representation is logical and well explained
* Choices are creative
* An understanding of the roles of the organelles is evident
* The student displays knowledge beyond expectations
 |