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| **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 |