Cell Analogy Project: 30 Points

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

Directions:

1. Choose your analogy You CANNOT choose a factory because we did this in class. **I am comparing an animal cell to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
2. Fill in the chart (on back) with ALL of the required organelles, what you are comparing the organelle to and **why it is a valid comparison.** 
   1. **This chart is due \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
3. Decide how you will present the analogy. Choose one of the following ways.
   1. PowerPoint presentation
   2. Prezi
   3. Poster
   4. If you have a different idea- ask Mrs. Hinkley
4. Guidelines for project construction
   1. Each analogy should include the organelle, the object in comparison, and an explanation for how they are related. For example, “the hallways in the school are like the ER because they both transport things.”
   2. You should have a title or title slide stating your analogy
   3. If completing a poster: You may draw organelles, but you must TYPE explanations for comparisons.
   4. Be creative with colored backgrounds, photos, etc. Have fun with this! I love to see your creativity!
   5. **Each organelle analogy** should include either a picture of the organelle or a picture of the object in comparison.
5. Scoring as follows

* Chart completed correctly (& on time)....…………………..…...8 points
* Includes all organelles on project……………………………….9 points
* Comparisons make sense given function of organelle….……...9 points
* Plenty of color, neat, follows directions…………………….…..4 points

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| **Teacher initial for chart\_\_\_\_\_\_\_\_\_\_\_** | | |  |  |  |  |  |  |
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| **Analogy: The cell as a/an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | |  |  |  |
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| **Organelle** | **Compared to** | **Explanation of analogy. Use the organelle function to explain.** | | | | | | |
| **Cell membrane** |  |  | | | | | | |
| **Vacuole** |  |  | | | | | | |
| **Lysosome** |  |  | | | | | | |
| **Ribosome** |  |  | | | | | | |
| **Nucleus** |  |  | | | | | | |
| **Mitochondria** |  |  | | | | | | |
| **Cytoplasm** |  |  | | | | | | |
| **Endoplasmic reticulum (ER)** |  |  | | | | | | |
| **Golgi apparatus** |  |  | | | | | | |

PROJECT DUE DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_