Cell Analogy Assignment

Purpose: Demonstrate your understanding of organelle functions to a cell by creating an analogy.

***Analogy – a similarity between like features of two things, on which a comparison may be based***

Task:

1. Decide on an analogy (ex. Sports team, Hogwarts, a school, etc.)
2. Create a chart or concept map (draft format is fine, but must be legible).
3. Using descriptions demonstrate your understanding by describing/showing how your chosen comparison is a good analogy for the functions of an organelles in a cell.
4. NOTE: You must use ALL organelles for the type of cell voted in class (plant or animal).

STEM 1: Understands and makes connections between concept

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| 1 | 2 | 3 | 4 |
| - Analogy does not make sense or is incomplete.  - Analogy might be labeled but offers limited explanations.  - Cell organelles are mostly not related to the analogy.  - Several important organelles are missing.  - An example from class was essentially copied. | - Analogy is very basic with a bit of detail.  - Cell organelles are related or maybe sort of related or some of the connections are not great.  - An important organelle may be missing.  - A similar example to the class exemplars was used. | * Analogy is complete with detail for most of the organelles. * Strong connections as to the function of the cell organelle is presented as an accurate analogy. * Students has demonstrated a good understanding of the roles of the different organelles. * All organelles are discussed. | - Analogy is complete and thorough with detail for all the organelles.  - Student has not only made strong connections, but justified their reasoning.  - Student has demonstrated an excellent understanding of the roles of the different organelles.  - All organelles are discussed. |

STEM 3: Develops skills for inquiry and communication

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| 1 | 2 | 3 | 4 |
| - Information is present, but either so messy or so disorganized it’s too difficult to read for the teacher.  - Info is not present. | - Info is present and legible, but quite disorganized and therefore difficult to read or find for the teacher.  - Some info is present, but some if missing. | - Info is present, legible and organized in a manner that makes the majority of it easy to find and read for the teacher.  - All info is present. | -Detailed info is present, accurate, legible and organized that makes the analogy clear and easy to find for the teacher.  - All info is present and accurate details are included. |

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