Please choose 1 of the following options for your cell structure and function assignment:

Assignment will be due **October 31st, 2017**

Option A:

1. Develop a unique analogy for a cell and the different organelles including Nucleus, Mitochondrion, Smooth Endoplasmic Reticulum, Rough Endoplasmic Reticulum, Golgi Apparatus, Peroxisome, Lysosome, and Ribosomes.
2. Record your analogy through images, writing, or a video.
3. Evaluate the validity and limitations of your analogy.

Option B:

1. Think of a specific cell type. Research this cell type to learn more about its important biological roles.
2. Determine the primary function of this cell type.
3. Design a cell diagram or model depicting the different organelles and the number of specific organelles to optimize the function of that cell.
4. Justify why you included specific organelles/the number of organelles in your assignment.

Option C:

1. Develop your own assignment to demonstrate your understanding of the cell structure and function.
2. Write a proposal of your assignment including how you will be assessed
3. Have you proposal approved by Ms. Vissers

Student Assessment:

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|  | Development  | Accomplished  | Exemplary |
| **Knowledge** * Student has demonstrated a strong understanding of the big idea. All living things are made of cells, which contain DNA and cell structures that allow cells to survive and reproduce.
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| **Processing and Analyzing Information*** Analyze cause and effect relationships
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| **Communicating*** Formulate physical or mental theoretical models to describe a phenomenon
* Communicate scientific ideas, information, for a specific purpose and audience, constructing evidence-based arguments and using appropriate scientific language, conventions, and representations
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