CELL ORGANELLE ASSIGNMENT
(2 PARTS)

DUE ON:
Wednesday October 5, 2016

PART 1:

ORGANELLE FUNCTIONS

In many ways, a cell is like a factory or manufacturing plant. The employees of a factory work to create specific products and maintain the factory's viability, just as the organelles of a cell work to meet its varied needs. Biochemical, growth, and reproductive functions must be fulfilled if the cells, and the organism as a whole, are to survive.

In the workplace, the responsibilities and roles of each employee are specified in a formal document, called a job description.

In Part 1 of this project, you will write a job description regarding the function of one of a cell’s organelles as well as a help wanted advertisement.

1. Identify and determine the function of a cell’s organelle. Be sure to collect all of the information needed to write a job description for 1 (ONE) organelle, as outlined in the next step.

2. Write a job description for ONE (1) organelle, using the following format:
Name of Company: Choose a name that reflects the functions of cells. Be creative!

Job Title: Name of the organelle and/or a title that reflects its role

Department: What role does the organelle act to fulfill?

Division: What role does the department, as a whole, act to fulfill?

Scope: An overview of the job responsibilities

Major Responsibilities: Key tasks to be performed

Position in Organization: To whom does the organelle report? Who reports to, and is supervised by, the organelle?

Relationships:

- internal Are there other organelles, within the cell, to which this one relates?
- external Are there other cells, specific tissues, organs, etc., with which this organelle interacts?

Expected Outcomes: What are the main products that this organelle makes and/or what functions does it serve?

3. After you have completed the “job description” for your organelle, you will need to create a Help Wanted Ad. Here is a sample want ad; it is adapted from the work of a student in South Lake, TX. Can you guess the organelle?

“Looking for a great opportunity to lead? Do you enjoy making decisions for others? Is guidance your strong point? If so, we are seeking to fill a managerial position. We are in need of a control center for a cell. Must be able to operate a cell. Should have solid experience reading and decoding DNA. Should exhibit strong leadership skills. Benefits include: placement in low-stress arm cells, long life guaranteed...you don't die; you just divide and multiply! If interested contact The Body at 817-8WE-CELL.”

4. Your “WANT AD” should be created with a 2.5 in wide space for the text. Change your margins or create a text box for your ad. We will try to piece our ads together to make a "page from the newspaper" to post in the room. **DO NOT INCLUDE THE NAME OF YOUR ORGANELLE** in the ad so other students can try to figure out which one it is.
PART 2:

CELL ORGANELLE RAFT

RAFT stands for:
R = ROLE A = AUDIENCE F = FORMAT T = TOPIC

And for this assignment specifically, it looks like this:

R = You are a cell organelle (the same organelle you chose in Part 1) and you are applying for the job in the “WANT ADS” (the one you created).

A = Interview committee for the Cell/ “Company” in the Job Description

F = Persuasive Essay

T = Describes what organelle you are, your function, your location, what type of cell(s) you would be found in, etc. Describe why you are valuable to the cell. Describe at least 5 other organelles that would be found in your cell with their functions and why you are the better choice for hire you over any other organelle.
<table>
<thead>
<tr>
<th>Description of Organelle</th>
<th>EXCEPTIONAL (5)</th>
<th>SKILLED (4)</th>
<th>PROFICIENT (3)</th>
<th>DEVELOPING (2)</th>
<th>INADEQUATE (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organelle is CLEARLY identified and described in detail. It includes the function/role of the organelle, location.</td>
<td>Organelle is CLEARLY identified and described. It includes the function/role of the organelle.</td>
<td>Organelle is identified and described but missing one of the following: the function/role of the organelle.</td>
<td>Organelle is identified and described but missing two of the following: the function/role of the organelle.</td>
<td>Organelle is identified and described.</td>
<td></td>
</tr>
</tbody>
</table>

| RAFT | RAFT maintains clear, consistent point of view, tone, and ideas relevant to role played; ideas and information always tied to role and audience. | RAFT maintains the point of view, tone, and ideas relevant to role played; ideas and information are tied to role and audience. | The role, audience, format and topic are used correctly and evident in the essay. | One of the following is missing: the role, audience, format and topic are used correctly and evident in the essay. | Two of the following are missing: the role, audience, format and topic are used correctly and evident in the essay. |

| Creativity & Presentation | The essay contains many creative details that allows the reader to truly believe that they are a cell applying for a job. It is evident the author went the extra mile to display true understanding. | The essay contains many creative details that allows the reader to visualize/believe that they are a cell applying for a job. | Even though the author displays an understanding, the paper has spots where it is creative/originally but not consistently throughout. | Even though the author displays an understanding, the paper has spots where it is creative/originally but not consistently throughout. | No creativity/originality was used to write the essay and no true Understanding is evident. |

| Communicates Effectively in Written Form | No errors in grammar, spelling, and punctuation and there is a no interference with understanding. | Errors in grammar, spelling, and punctuation are few and do not interfere with understanding. | More frequent errors in grammar, spelling, and punctuation, but they do not interfere with understanding. | Errors in grammar, spelling, and punctuation interfere with understanding in much of the essay | Errors in grammar, spelling, and punctuation prevent the reader from fully understanding essay. |

**COMMENTS:**