

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.

Rubric

	EXCEPTIONAL (5)	SKILLED (4)	PROFICIENT (3)	DEVELOPING (2)	INADEQUATE (1)
Description of Organelle	Organelle is CLEARLY identified and described in detail. It includes the function/role of the organelle, location.	Organelle is CLEARLY identified and described. It includes the function/role of the organelle.	Organelle is identified and described but missing one of the following: the function /role of the organelle.	Organelle is identified and described but missing two of the following: the function/role of the organelle.	Organelle is identified and described.
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/original but not consistently throughout.	Even though the author displays an understanding, the paper has spots where it is creative/original 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:					