

"Cell Survivor" –Who will get voted out?

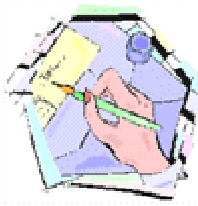
This is a group project that will involve groups of up to 3 people per group. The project will consist of researching a specific cell organelle or structure assigned to each group. Students may use any resource available to them to gain an understanding of the history, structure and function of the specific organelle and how it relates to the whole cell and organism. Each group will complete the project, which is to include 3 components:

1. A research paper with the following requirements –
 - a. The paper must be typed using a computer, with a 12-point Verdana font. It also must be double-spaced and be at least 2 pages in length (It should take more than one page to effectively cover the material).
 - b. The paper must use proper grammar and composition, including spelling.
 - c. The paper is to be written as a persuasive argument that is intended to convince the "parent organization", Cell Industries, that the organelle they are assigned is invaluable to the cell and should not be "downsized". Supporting evidence including accurate explanation of function, structure, and history of the organelle must be included.
 - d. Sources used for information must be cited in a bibliography or works cited page attached to the report. The sources must be listed in a way that makes it possible for the teacher to easily find the information used.

2. A detailed model of the organelle must be included. The model may be constructed of any material that the students have access to. The model should be a 3-dimensional model or sculpture. The model must be accurate, including labels.

3. The group will present their argument to the class, which will represent the board of directors of Cell Industries. It will be necessary for the group to persuade the board to keep them on the staff of Cell Industries, and not "downsize" them. The board of directors will then vote to downsize one of the organelles based on the presentation of the group. The presentation will be graded on originality, preparation, accuracy, and use of visual aids. Each presentation will last at least 5 minutes and no longer than 7 minutes.

RUBRIC
Cell Survivor Research Paper



Name: _____

Teacher: Schreiner

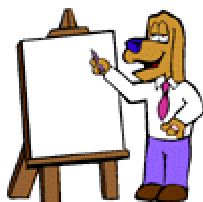
Date Submitted: _____

Title of Work: _____

	Criteria				Points
	1	2	3	4	
Organization	Sequence of information is difficult to follow. Less than 1 page in length.	Reader has difficulty following work because student jumps around. Less than 1 page in length	Student presents information in logical sequence which reader can follow. At least 1 page in length.	Information in logical, interesting sequence which reader can follow. Over 2 pages in length	____ X 5 = ____
Content Knowledge	Student does not have grasp of information; student cannot answer questions about subject.	Student is uncomfortable with content and is able to demonstrate basic concepts.	Student is at ease with content, but fails to elaborate.	Student demonstrates full knowledge (more than required).	____ X 5 = ____
Grammar and Spelling	Work has four or more spelling errors and/or grammatical errors.	Presentation has three misspellings and/or grammatical errors.	Presentation has no more than two misspellings and/or grammatical errors.	Presentation has no misspellings or grammatical errors.	____ X 3 = ____
Neatness	Work is Illegible.	Work has three or four areas that are sloppy. Format does not follow layout requirements.	Work has one or two areas that are sloppy. Spacing or font incorrect.	Work is neatly done. Correct format used	____ X 5 = ____
References	Work displays no references.	Work does not have the appropriate number of required references.	Reference section was completed incorrectly	Work displays the correct number of references, written correctly.	____ X 3 = ____
				Total---->	____ 84

Grading Scale: 77-84 = A, 67-76 = B, 59-66 = C, 51-58 = D, Below 51 = F

BBCHS
Cell Survivor Presentation



Name: _____

Teacher: Schreiner

Date of Presentation: _____

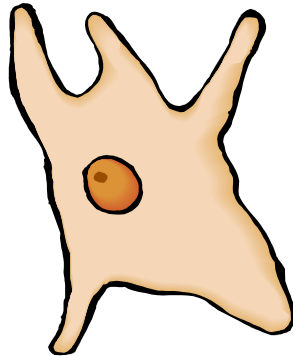
Title of Work: _____

	Criteria				Points
	1	2	3	4	
Organization	Audience cannot understand presentation because there is no sequence of information.	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow.	Student presents information in logical, interesting sequence which audience can follow.	____ X 5 = ____
Content Knowledge	Student does not have grasp of information; student cannot answer questions about subject.	Student is uncomfortable with information and is able to answer only rudimentary questions.	Student is at ease with content, but fails to elaborate.	Student demonstrates full knowledge (more than required) with explanations and elaboration.	____ X 5 = ____
Visuals	Student used no visuals.	Student occasionally used visuals that rarely support presentation.	Used at least 3 visuals related to presentation.	Student used 4 or more visuals to reinforce presentation.	____ X 5 = ____
Delivery	Student mumbles, incorrectly pronounces terms, and speaks too quietly for students in the back of class to hear.	Student incorrectly pronounces terms. Audience members have difficulty hearing presentation.	Student's voice is clear. Student pronounces most words correctly.	Student used a clear voice and correct, precise pronunciation of terms.	____ X 4 = ____
				Total---->	<u>76</u>

Grading Scale: 68-76 = A, 61-67 = B, 53-60 = C, 46-52 = D, Below 46 = F

RUBRIC

Cell Survivor Model



Name: _____

Teacher: _____

Date : _____

Title of Work: _____

	Criteria				Points
	1	2	3	4	
Accuracy	Model does not resemble the organell, and shows no creativity.	Model does not resemble the organelle, but shows a little creativity.	Model somewhat resembles the organelle, and shows some creativity.	Model is an exact replica of the organelle, and is very creative.	___ X 5 = ___
Detail	Model has little or no detail and is not neatly done.	Model has some detail and is somewhat neat in appearance.	Model shows most details and is neat in appearance.	Model shows all details and is neat in appearance.	___ X 5 = ___
Labels	Model has no labels	Model has 2 or fewer structures labeled correctly.	Model has between 3 and 4 structures labeled correctly.	All structures of the organelle are labeled correctly.	___ X 5 = ___
				Total---->	<div style="border-top: 1px solid black; width: 50px; margin: 0 auto;">60</div>

Grading Scale: 54-60 = A, 48-53 = B, 42-47 = C, 36-46 = D, Below 46 = F