

NOW PLAYING:
The Cell: A Play

STARRING: (names)

Your Mission: The Warner Bros. studio has hired you to make the next blockbuster short film about the cell. You and your group members will create a 3-5 (three to five) minute play in which you act as animal or plant cell organelles and perform basic cell functions. Your mission is to understand the job of your organelles and describe how cell organelles interact with each other. There is a twist: you will create a scene (ex: school, soccer team, friends, etc.) and create roles for each organelle based on your scene (ex: in a school, the nucleus would be the principal). Once you have developed roles for each organelle, each person in your group will choose one they want to act as and your group will create a short play highlighting your roles! Other groups will attempt to identify which organelle each person is acting as.

CELL TYPE: Plant or Animal? (circle one)

SETTING:

What is the setting of your play?

CHARACTER DESCRIPTIONS :**DUE :** _____

What are the jobs in the cell? (What do they do for the cell)?

Organelle	Function in the Cell (What do I do in the cell? Use your own words! Definition must be in four words or less)	Role in the Play (What will I do to act like my organelle?) Include an explanation why that role relates to an organelle.
Cell Membrane		
Cell Wall		
Central Vacuole		
Chloroplast		
Cytoplasm		

Endoplasmic Reticulum		
Golgi Bodies		
Lysosome		
Mitochondria		
Nucleus		
Ribosomes		

SCRIPT/STORYBOARD:

Directions:

Script/Storyboard Directions:

DUE: _____

- 1) You will create a script or storyboard of your three to five minute film. Your film can have actions, dialogue or props. Props must be approved before use.
- 2) You may not use the any vocabulary related to the cell.
Ex: cell, mitochondria, cell membrane, etc.
- 3) The script must have clearly defined roles and interactions. Your studio director needs to be able to use your script for future movies.
- 4) Each group member must be assigned clear actions and dialogue.

Play Directions:

DUE: _____

- 1) Once your script or storyboard is complete, you will be given a video recorder to record your play.
- 2) The play must be (3-5) three to five minutes in length.
- 3) Each person must have equal acting time.
- 4) Other groups will attempt to identify your organelles. The more organelles other groups can identify, the more money your movie will make!

Organelle Identification Directions:

- 1) Other groups will attempt to identify who is portraying what organelle.
- 2) You will receive points based on the number of groups that can identify your roles.

Cell: The True Story Rubric

Pre-Script: Organelle Scientific Background and Role Description

Points (per organelle)	2	1	.5	0
Description of organelles functions	Description is clear, accurate and in your own words.	Description is somewhat clear and in your own words.	Description is missing most information or not in your own words.	Description is missing most information and not in your own words
Description Length	Description is four words or less.	Description is five to seven words.	Description is eight to ten words.	Description is greater than ten words.
Organelle Analogy and Explanation	Analogy fits and explanation is clear.	Analogy does not fit OR explanation is unclear.	Analogy does not fit and explanation is unclear.	Analogy is missing.

Script/Storyboard

Points	6	4	2	0
Roles Defined	The characters are named and clearly described in text or pictures. Most readers could describe the characters accurately.	The characters are named and described. Most readers would have some idea of what the characters looked like.	The characters are named. The reader knows very little about the characters.	It is hard to tell who the characters are.
Neatness	The final draft of the story is readable, clean, neat and attractive. It is free of erasures and crossed-out words. It looks like the author took great pride in it.	The final draft of the story is readable, neat and attractive. It may have one or two erasures, but they are not distracting. It looks like the author took some pride in it.	The final draft of the story is readable and some of the pages are attractive. It looks like parts of it might have been done in a hurry.	The final draft is not neat or attractive. It looks like the student just wanted to get it done and didn't care what it looked like.
Focus on Assigned Topic	The entire story is related to the assigned topic.	Most of the story is related to the assigned topic. The story wanders off at one point.	Some of the story is related to the assigned topic.	No attempt has been made to relate the story to the assigned topic.
Content	Shows a full understanding of the topic.	Shows a good understanding of the topic.	Shows a good understanding of parts of the topic.	Does not seem to understand the topic very well.
Creativity	The story contains many creative details and/or descriptions that contribute to the viewer's enjoyment. The author has really used his imagination.	The story contains a few creative details and/or descriptions that contribute to the reader's enjoyment. The author has used his imagination.	The story contains a few creative details and/or descriptions, but they distract from the story. The author has tried to use his imagination.	There is little evidence of creativity in the story. The author does not seem to have used much imagination.

Play

Points	6	4	2	0
Time Division	Each person has equal acting time.	Some people have more acting time than the others.	One person has a majority of acting time.	Some students have zero acting time.
Length	Play is within time range.	Play is 15-30 seconds under or over time limit.	Play is 30-45 seconds under or over time limit	Play is greater than 45 seconds under or over time limit.
Voice - Consistency	Voice quality is clear and consistently audible throughout the presentation.	Voice quality is clear and consistently audible throughout the majority (85-95%) of the presentation.	Voice quality is clear and consistently audible through some (70-84%) of the presentation.	Voice quality needs more attention.
Professionalism	Facial expressions and body language are always on topic and consistent with story line.	Facial expressions and body language are mostly on topic and consistent with story line.	Facial expressions and body language are sometimes on topic and consistent with story line.	Facial expressions are consistently off-task and distracting to the audience.
Content Accuracy	A majority of the groups can accurately identify the organelles in your play.	Half of the groups can accurately identify the organelles in your play.	Few, groups can accurately identify the organelles in your play.	No groups can identify the organelles in your play.

Group Number Identifying Organelles: _____

Acting Group: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Number Identifying Organelles: _____

Acting Group: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Number Identifying Organelles: _____

Acting Group: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Number Identifying Organelles: _____

Acting Group: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

Group Member: _____

Organelle: _____

