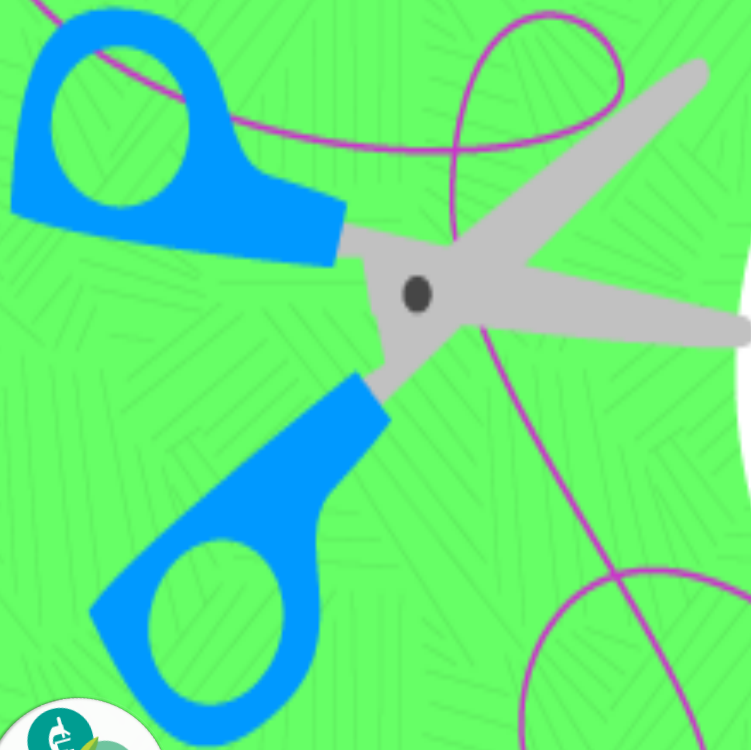
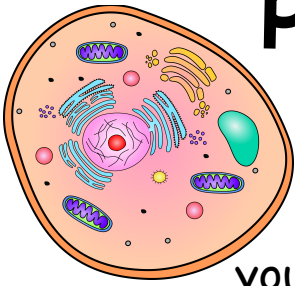


Plant + Animal Cell Project

plus Rubric



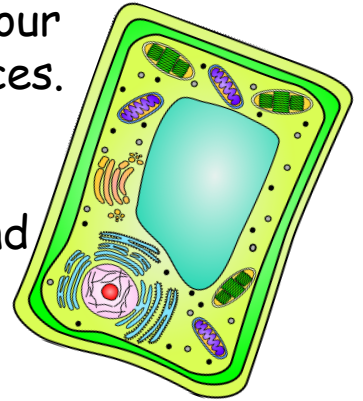


Plant and Animal Cell Project

For this project, you will create a **plant** OR **animal** cell out of common household materials. Eventually, you will make an oral presentation to the class, using your project as a prop. On the back of this sheet is a checklist.

Attached to this paper is the project rubric. Use your textbook and notes from class as your main resources.

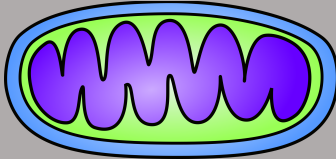
Don't use the Internet! The cells shown on the Internet tend to show many more organelles and to use terms that you don't need to learn yet. You'll end up confused and putting the wrong things on your project. Here are the basic requirements for your project:



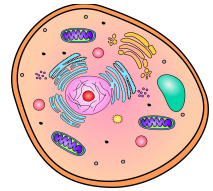
- Size no larger than 9 x12
- You can use many types of materials including but not limited to: yarn, fun foam, buttons, beans, macaroni, mini-marshmallows, markers, color pencils, etc. (Don't use gelatin, as it tends to break down too quickly and makes a mess.)
USE YOUR IMAGINATION!!
- Glue materials securely - Hot glue works much better
- Make sure you have a title on your project - Plant Cell or Animal Cell
- Each student will have to explain his or her project. You will need to mention the parts of the cell, what they do, and the differences between the plant and animal cells. Think of clever ways to remember the parts and what they do.

Cell Project Checklist

As you work on your project, check off the parts so you'll know that you did everything you needed to do.

Check off	Plant cell	Check off	Animal cell
	Cell membrane		Cell membrane
	Nucleus		Nucleus
	Ribosomes		Ribosomes
	Lysosomes		Lysosomes
	Golgi Bodies		Golgi Bodies
	Mitochondria		Mitochondria
	Endoplasmic Reticulum		Endoplasmic Reticulum
	Vacuoles		Vacuole
	Cytoplasm		Cytoplasm
	Chloroplasts		
	Cell Wall		

Cell Project Rubric



Animal Cell: (6 pts.)

0 3 6

Plant Cell: (4 pts.)

0 2 4

Labels or Key: 2 points each (18 pts for Animal Cell; 20 pts for Plant Cell)

Nucleus	2
Cytoplasm	2
Mitochondria	2
Ribosomes	2
Endoplasmic Reticulum	2
Golgi Bodies	2
Cell Membrane	2
Lysosomes	2
Vacuole	2

Cell Wall 1 point

Chloroplasts 1 point

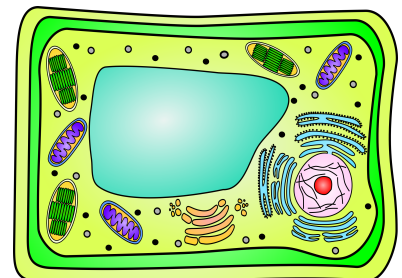
Final Grade:

Spelling: (x2 = max 6 points)

All words are spelled correctly in the title and labels	3
Most words are spelled correctly in the title and labels	2
75% of the words are spelled correctly in the title and labels	1.5
Fewer than 75% of the words are spelled correctly in the title and labels	0

Quality of Project: (x5 = max 50 points) Project is in 3-D Format

- 10- Excellent creativity, best effort put forth
- 9- Above average creativity, effort put forth
- 8- Average creativity, some effort put forth
- 5- Below average creativity, little effort put forth
- 0- No 3-D objects, little effort put forth

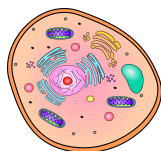


Neatness: (3x = max 12 points)

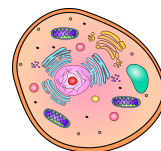
Lines are clear and not smudged. Color is used to enhance project	4
There are a few erasures, smudged lines and stray marks	3
Color is not used to enhance the project	2

Name, Date and Class Period are on the project: (x2 = max 8 points)

0 2 3 4



Cell Project



Oral Presentation Rubric

Preparedness: (x2 = max 8 points)

Student is completely prepared with notes, cards, or visual presentation	4
Student is comfortable in front of the class but does not have any notes to guide them	3
Student is not prepared with notes, cards or a visual presentation	1

Speaks Clearly (x2 = max 8 points)

Speaks clearly all the time and does not mispronounce any organelles	4
Speaks clearly and mispronounces one organelle	3
Speaks clearly and mispronounces more than one organelle	2
Often mumbles and cannot be understood	1

Posture and Eye Contact (max 4 points)

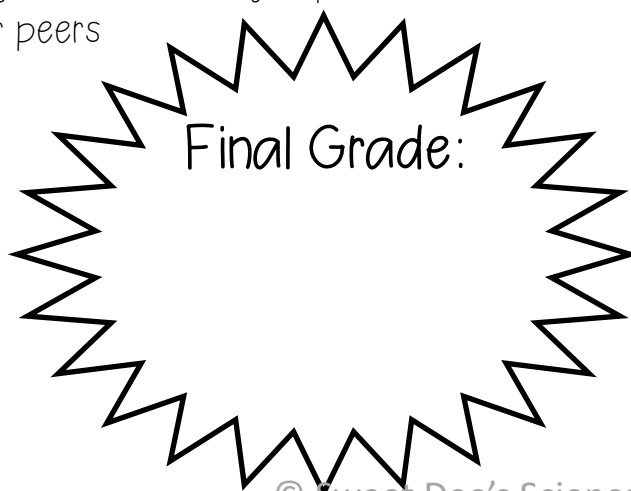
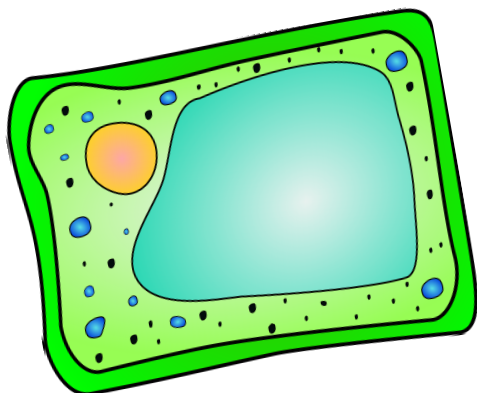
Stands straight up and establishes eye contact with everyone	4
Stands straight up and establishes eye contact MOST of the time	3
Sometimes stands straight up and establishes little eye contact	2
Does not look at anyone during the presentation	1

Volume (max 4 points)

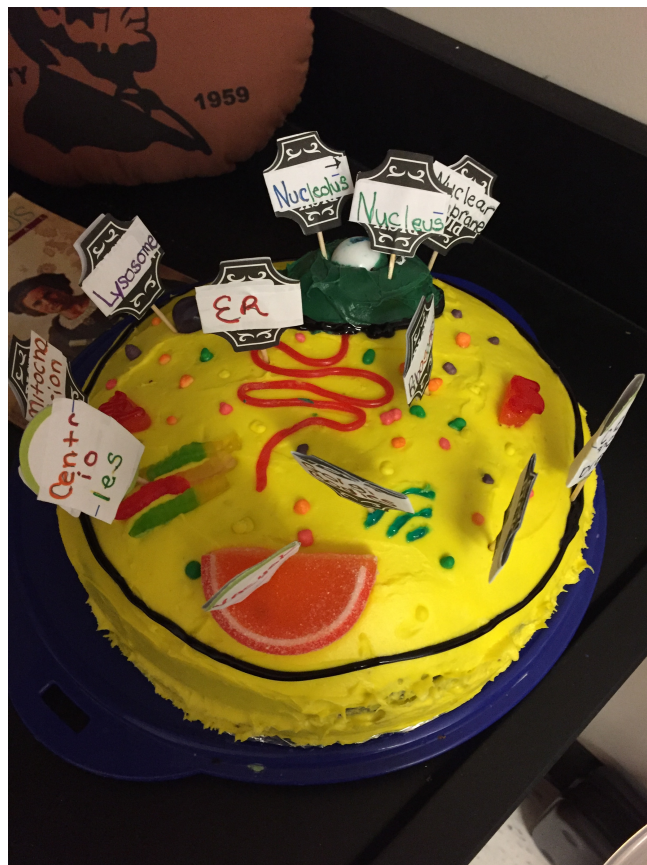
Volume is loud enough to be heard by everyone	4
Volume can be a tad bit louder	3
Volume is very low and cannot be heard by anyone	2

Listens to Peer's Presentations: (max 2 points)

Listens intently. Is not distracting, making noises or talking to peers	2
Is not listening, constantly talking to their peers	0



Cell Project Examples



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