

Name: \_\_\_\_\_

\_\_\_\_\_ Animal Cell

\_\_\_\_\_ Plant Cell

## Cell Project Rubric

	Accurately Displayed on Cell	Accurately Listed on Key	Accurate Definitions or Functions	Comments
cytoplasm				
nucleus				
vacuole				
mitochondria				
cell membrane				
chloroplasts (plant cell only)				
cell wall (plant cell only)				
extra credit parts				
Neatness				
Creativity				
Effort				
Completed on-time Yes/No				

Score \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

## Cell Project

***Learning Target: Students will create a model of a cell, labeling each part, and designing a key with the definition/function of each part.***

Your assignment is to create a fantastic, colorful, and accurate model of a cell. It may be a poster, 3D model, edible, or any creative way you want that exhibits knowledge of cytological anatomy (the parts of a cell and their jobs). The cell may be either a plant or an animal. If you decide to make an edible cell, it will not be shared at school. You may work with partners if you receive teacher permission.

This website gives you great ideas on how to create a cell model:

<http://www.kathimitchell.com/cells.html>

This powerpoint has images of fantastic projects:

<https://compcolts.wikispaces.com/file/view/Incredible+Cell+Project+Ideas.pptx>

Animal cells must have the following organelles:

1. **cytoplasm**
2. **nucleus**
3. **vacuole**
4. **mitochondria**
5. **cell membrane**

Plant cells must have the following organelles:

1. **cytoplasm**
2. **nucleus**
3. **vacuole**
4. **mitochondria**
5. **cell membrane**
6. **chloroplast**
7. **cell wall**

For extra credit, research and include the following in your project: **golgi complex, ribosomes, chromatin, smooth ER, rough ER, and lysosomes.**

Don't forget to include a key with your creation. Define or explain the function of each cell part on your key. This project counts as a test grade. ***Your grade is based on cell accuracy, completeness, creativity, neatness, and effort.***