The Incredible Cell Project

You will be required to construct a model of a **plant cell.** All models

must be made out of materials that will not spoil.

Your project must be labeled. You may label each organelle or create a

key. Use the questions in the grading section to help you develop a

good project.

Each model must include the following organelles:

• Cell wall • Ribosomes

• Cell membrane • Mitochondria

• Nucleus (w/ nucleolus & chromosomes) • Vacuoles

• Cytoplasm • Lysosomes

• Endoplasmic Reticulum (optional) • Chloroplasts

• Golgi Bodies (optional)

Grading:

Grades will be based on the following questions:

* Is your and your partners name on the project?
* Is the cell type identified?
* Is the model a 3-D representation of a plant cell?
* Are all the organelles included?
* Are the organelles correctly labeled? Each organelle must be labeled with its

name and function (You may use a key, with images, for this part of the project)

* Labels are on your project by using toothpicks or stickers.
* Size and location of organelles in the cell should be accurate.
* Are the materials acceptable? The materials cannot be products that spoil.

\*\*Bonus\*\*:

You could be awarded with a bonus if your project

is selected to be the Most Accurate, Most Attractive, or Most Creative.

Students will vote to decide the winner in each category.

Project Due Date

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Label Example:



 **Mitochondria**

Power house of the cell

Key Example:

|  |  |  |
| --- | --- | --- |
| **Material Used****(Image and description)** | **Organelle being Represented** | **Definition of Organelle** |
| Green Jelly Bean | Chloroplast | The place in a plant cell where photosynthesis happens.  |
|  |  |  |
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Project Examples:

 