
Amazing Cell Project

Grade 4

Due _____



Description

You will be constructing a model of a plant OR animal 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.

Labels

Each model must include the following organelles:

- Cell Wall (if plant cell)
- Cell Membrane
- Mitochondria
- Chloroplasts (if plant cell)
- Nucleus (with nucleolus and chromatin)
- Chromosomes
- Vacuoles
- Cytoplasm

Rubric

Grades will be based on the following questions:

- Is your name on the front of the project?
- Is the cell type identified? Tell if it is a plant or animal cell.
- Is the model a 3-D representation of a plant cell or animal cell?

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- Are all the organelles included? (10 for plant cells, 9 for animal cells)

 - Are the organelles correctly labeled? Each organelle MUST be labeled with its name and function. (See example on back.)

 - Are the relationships between the parts (if any) shown correctly? Are the ribosomes on the endoplasmic reticulum? Is the endoplasmic reticulum near the nucleus? If a plant cell, are the chloroplasts around the vacuole?

 - Are the materials acceptable? The materials cannot be food products that will spoil.

 - Did you use different materials to represent each organelle?

 - Is the model equal to or less than 30 centimeters on any side?