

Cell Model Project

Name: _____

Due date: _____

Project Instructions:

- Make a 3-D model of either a plant or animal cell.
- The model must have all cell parts appropriate to that cell type.
- 3-D materials must be used to illustrate organelles.
- All cell organelles must be composed of different materials (everything shouldn't be made of clay, etc.)
- Each structure on your model must have a label or a tag (toothpicks with flags work well).
- Put your name on the project.
- A **TABLE** describing the Cell Structure, Material Used, and Function of the Cell Organelle must be turned in with your project. The table should be typed or written neatly on copy or construction paper. Do not use lined notebook paper.

Animal Cell Organelles	Plant Cell Organelles
1. Plasma Membrane	1. Plasma Membrane
2. Cytoplasm	2. Cytoplasm
3. Mitochondria	3. Mitochondria
4. Nucleus	4. Nucleus
5. Chromosome	5. Chromosome
6. Rough ER	6. Rough ER
7. Smooth ER	7. Smooth ER
8. Ribosomes	8. Ribosomes
9. Nucleolus	9. Nucleolus
10. Vacuoles	10. Vacuoles
	11. Cell Wall
	12. Chloroplasts

The table that must be turned in with this project must have three columns **THREE COLUMNS** listing the **Cell Structure**, **Material Used**, and **Function of the Cell Organelle**. You must include ALL the cell organelles used in your model in this table.

THIS IS WHAT YOUR TABLE SHOULD LOOK LIKE!!! ☺☺☺☺☺

Example:

Cell Structure	Material Used	Function
Nucleus	Whatever you used	Function of the nucleus

Grading Rubric:

- All organelles present – 40 points
- Labels present – 10 points
- Unique 3-D materials used for each organelle – 20 points
- 3 Column Chart – 30 points
- Total points – 100 points
- Late projects – 5 points deducted per day (don't be late!)

BEST ADVICE:

Do not spend a bunch of money on this project! Use what you have at home. Get creative! Seriously, don't spend money. You don't need a Styrofoam ball to make a good cell model project. Look around your house—you will be **AMAZED** at what you can use!