

# Cell Project

Purpose: The purpose of this project is to make a 3D model of a cell in order to better understand the parts and workings of a cell.

Using household items make a three-dimensional model of a plant or animal cell that meets the criteria listed below. (Sample items: cereal, balloons, gummi worms, mints, fruit slices, dried fruit, matches, gum balls, peanuts, rope licorice, jelly beans, sesame seeds, other candies, toothpicks. Craft packages also may work: clay, beads, pipecleaners..etc)

Choose what type of cell you will build, a typical plant or animal cell. Include this label somewhere on your model.

Create a KEY or label in some way each part on your model and its function.

1. The student must identify what cell type they made (plant or animal). This is often drawn out of a hat.
2. The following is the list of cell parts that must be in their cells:

Cell Membrane	Cell Wall
Cytoplasm	Nuclear Membrane
Nucleus	Chloroplast
Nucleolus	Endoplasmic Reticulum
Mitochondria	Golgi Bodies
Vacuoles	Ribosomes

## Links:

[Animal Cell Picture](#)

[3-D Cell Model](#)

<http://www.cellsalive.com/cells/animcell.htm>

[Making a Cell Model](#)

<http://gslc.genetics.utah.edu/basic/lesson/cell/index.html>

[Cell Form and Function](#)

<http://www.win.co.nz/bioweb/cell.html>

# Cell Project Rubric on Back

Cell Project Rubric				
Category	Scoring Criteria	Excellent (3 pts)	Satisfactory (2 pts)	Needs Work (1 pt)
Craftsmanship	Model cell is creative and shows effort			
	The model is 3 dimensional			
	Model stays together, is not too messy or cumbersome to move around			
Cell Parts	Type of cell and student name are found on both the key and the model			
	Key, legend, or labeling easy to use to identify the parts on your model			
	Accurate description of the function of each cell part is provided			
	Appropriate material is used (item looks like the cell part)			
	Shape corresponds to the type of cell: plant or animal			
Written word	Grammar, spelling			
Score	Total Points (out of 30)			