

Name _____

Big Cell Project

You must create a 3 dimensional cell, fully labeled. It must contain all of the parts for either the plant or animal cell. **In addition to this model, you need to include a paragraph about each organelle.** In this case, a paragraph doesn't need to be complete sentences, but at least three facts about each organelle need to be included. These may include the appearance, location, function, what the organelle is made of, or other interesting facts. This will take the place of the final exam for this unit. The model and the paragraphs are due at the beginning of class on _____

ALL CELLS CONTAIN:

nucleus	cell membrane
cytoplasm (cytosol)	cytoplasm
DNA (chromatin)	Endoplasmic Reticulum (ER)
nuclear membrane	Smooth and rough
Golgi bodies	mitochondria
vacuoles and / or vessicles	ribosomes
nucleolus	

PLANT CELLS ALSO CONTAIN:

Chloroplasts	Cell wall
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ANIMAL CELLS ALSO CONTAIN:

Lysosomes	Cilia or flagellum
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NOTES

- This is NOT to be a hardship on families. ANY items may be used for the cell (see exceptions below). One of the best I had was made from a plastic bag, coat hanger, string and paper.
- DO NOT use any liquid or gel product in your cell, including Jello. These are nearly impossible to label and by the time they're graded, are nasty.
- Remember that most of the points comes from the paragraphs.

GRADING SCALE

30 points	Paragraphs of the organelles
20 points	Cell model, fully labeled

Additional help: <http://www.cellsalive.com/cells/3dcell.htm>
<http://library.thinkquest.org/12413/structures.html>