

The Cell Model Activity:

Directions found at: <http://www.howe.k12.ok.us/~jimaskew/biolab3x.htm>

Cell Model Lab Report Guide

Date Submitted:	Model Self-evaluation Score : completed
Your Name: (each student completes their own report for this lab)	
The Lab Problem: Build a model of a plant cell.	
Research References:	
Procedures	Model Diagram: Draft
<p>This lab will be done outside of class.</p> <p>Build a model of a plant cell using materials of your choice. Your model must be as follows:</p> <ul style="list-style-type: none">• The model must be free-standing, three-dimensional and large enough for all parts to be seen clearly.• Shapes of structures in your model must resemble actual structures in cells.• The following cell parts must be shown:<ul style="list-style-type: none">• cell wall• cell membrane• nucleus• chromatin• mitochondria• endoplasmic reticulum• ribosomes• chloroplasts• Draw a diagram of your model and label all parts.	

Rubric for Cell Model: <http://www.howe.k12.ok.us/~jimaskew/evalmod.htm>

Science Model Evaluation Rubric assignment # _____				
Student Name: _____		Score: _____		
This analytic rubric is used to verify specific tasks performed when building a science model. If the task has been successfully completed, all points are awarded. No points are awarded if the task is not complete.				
Category	Scoring Criteria	Points	Student Evaluation	Teacher Evaluation
Documentation 40 points	<ul style="list-style-type: none"> Model is accompanied by a carefully drawn diagram of the model. The important parts of the model are labeled so the diagram may be used as a "key" to understand the model. <i>(The model project should begin with a drawing to use as a construction guide. The drawing should include student name and assignment number.)</i> Model is accompanied by a bibliography showing the research references used in planning the model. <i>(There should always be research references.)</i> 	25		
		15		
Report of Research 20 points	<ul style="list-style-type: none"> Model clearly represents all assigned curriculum concepts. <i>(Curriculum concepts are found on the model planning guide.)</i> Model demonstrates the application of current information about the concept. <i>(The model is scientifically correct.)</i> 	10		
		10		
Model Construction 40 points	<ul style="list-style-type: none"> Model demonstrates the student's pride in its careful construction. The choice of materials for the model indicates the student's use of their creative imagination. Model is constructed of materials that are appropriate for classroom display. <i>(Materials must be sturdy and not offensive.)</i> 	10		
		15		
		15		
Score	Total Points	100		
Self-evaluation	Students are expected to honestly evaluate their own work. If the difference between the student evaluation and the teacher evaluation is more than 10 points, 5 points will be deducted from the teacher's score when the grade is recorded.			
Deadline	All "turn-in" assignments are expected to be completed by the assigned deadline. Models will be accepted up to two days after the deadline for 3/4 credit. No credit will be given after this time.			