

Cell Model Project

Name _____

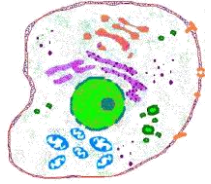
Date _____

Period _____

Due Date _____

Every student will complete a large scale model of a plant or animal cell. The cell can be constructed out of almost any material including Styrofoam, plastic, cardboard, paper, clay, food, cloth or fabric, etc. Be creative!

Your cell must be 3-dimensional to receive a grade of a four. The cell model project consists of two parts:



1. The construction of the 3-dimensional model with all parts labeled
2. The oral explanation of the model including the location and function of each of the organelles

Required Organelles: Animal Cell		Plant Cell	
<ul style="list-style-type: none"> • Nucleus • Cell Membrane • Mitochondria • Cytoplasm • Endoplasmic Reticulum 	<ul style="list-style-type: none"> • Vacuole • Ribosome • Golgi Body • Lysosome 	<ul style="list-style-type: none"> • Nucleus • Cell Membrane • Cell Wall • Chloroplast • Mitochondria • Cytoplasm 	<ul style="list-style-type: none"> • Endoplasmic Reticulum • Vacuole • Ribosome • Golgi Body • Lysosome

Rubric for Part One – The Cell Model

4	3	2	1
<ul style="list-style-type: none"> • Model must be 3-dimensional • All organelles listed above must be located and numbered on the model • All organelle functions must be included by number with the model 	<ul style="list-style-type: none"> • 3-D Model missing 1 or 2 organelles listed above • 3-D Model has 1 or 2 organelles labeled incorrectly 	<ul style="list-style-type: none"> • Model is missing 3 or 4 of the organelles listed above • Model has 3 or 4 organelles labeled incorrectly • Organelle function paper incomplete 	<ul style="list-style-type: none"> • Project incomplete
	<ul style="list-style-type: none"> • 2-dimensional model (drawing) of a cell completed. All organelles listed above must be located and numbered on the model. All organelle functions must be included by number with the drawing 	<ul style="list-style-type: none"> • Drawing is missing 1 or 2 of the organelles listed above • Drawing has 1 or 2 organelles labeled incorrectly • Organelle function paper incomplete 	

Rubric for Part Two – The Oral Explanation of the Cell Model

4	3	2	1
<ul style="list-style-type: none"> • Able to properly identify and explain 8 organelles correctly 	<ul style="list-style-type: none"> • Able to properly identify and explain 5 organelles correctly 	<ul style="list-style-type: none"> • Able to properly identify and explain 4 organelles correctly 	<ul style="list-style-type: none"> • Not able to identify and explain 4 organelles correctly

