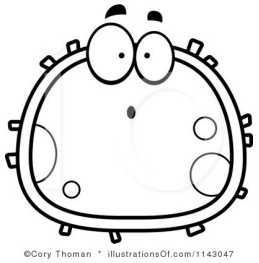
NAME:_____

3-D Cell Model Project
(100 points)



Project Assigned: (**Plant Cell**) or (**Animal cell**)

Project Due: February 10th, 2016

Objective: By making a 3-D model of the cell, the student will become aware of the various organelles and structures, which make up a plant or animal cell.

Guidelines:

- You may choose to turn the project in early. If you decide to, you can receive up to 10 points extra credit on any test grade (Not to exceed a 100). Be sure to write which cell model you are making (Plant or animal)
- Your cell **must be 3-dimensional**, as was shown in class. This means it needs to have a front, back, and sides. It cannot be a piece of paper with things glued on it. Your plant cell must be rectangular or your animal cell must be circular.
- Project may be edible but critters in the building have been known to eat projects. (Keep them covered)
- All parts of your cell **must be labeled clearly** in order to receive credit; I suggest using toothpicks and pieces of paper to make little flags, as was shown in class.
- The cell should be as accurate as possible. The cell parts should be located where they belong. For example, the nucleus should be bigger than ribosome's and chloroplast should be green.

You will use the attached rubric to see which organelles need to be present, accurate, and labeled.

You will turn your copy of the rubric when you turn in your 3-D model.

Name:_____ Due date:_____

3-D Plant Cell Model Project Rubric

Grading:

You will initially start with a 100 for your project grade. You will lose points for the following items:

- Missing an organelle (deduct 1 point for each organelle) = 10 total
- Missing a label on an organelle (deduct 1 point for each label) = 10 total
- Missing an organelle function or Illustration on the ***key*** (deduct 1 point for each organelle) = 20 total
- No name on project (deduct 6 points) = 10 total
- Plant cell is not square (deduct 10 points) = 10 total
- Project is sloppy (deduct *up to* 15 points) = 15 total
- **Project is late (deducted: 10 points per day)**
- Project is not three-dimensional (deduct 25 points) = 25 total

Remember: Your project grade is worth 100 points total. It is intended to help you better understand the cell and **improve your grade**. Please take this seriously and turn it in on time.

Organelle	Present on cell	Labeled on cell	Purpose?	Total
1. Cell Wall				
2. Cell Membrane				
3. Cytoplasm				
4. Nucleus				
5. Endoplasmic Reticulum				
6. Ribosomes				
7. Golgi Complex				
8. Vacuoles				
9. Mitochondria (Need 3)				
10. Chloroplasts				

General Project Guidelines	Total
Deductions if…No name on project	
Deductions if…Plant cell is not square	
Deductions for…Sloppiness	
Deductions if…Not 3-dimensional	
Late: Date turned in: _____ # of days late:_____	

Final Grade: _____/100__

Comments:

Name:_____ Due date:_____

3-D Animal Cell Model Project Rubric

Grading:

You will initially start with a 100 for your project grade. You will lose points for the following items:

- Missing an organelle (deduct 1 point for each organelle) = 10 total
- Missing a label on an organelle (deduct 1 point for each label) = 10 total
- Missing an organelle function or Illustration on the ***key*** (deduct 1 point for each organelle) = 20 total
- No name on project (deduct 10 points) = 10 total
- If animal cell is square (deduct 10 points) = 10 total
- Project is sloppy (deduct *up to* 15 points) = 15 total
- **Project is late (deducted: 10 points per day)**
- Project is not three-dimensional (deduct 25 points) = 25 total

Remember: Your project grade is worth 100 points total. It is intended to help you better understand the cell and **improve your grade**. Please take this seriously and turn it in on time.

Organelle	Present on cell	Labeled on cell	Purpose?	Total
1. Cell Membrane				
2. Cytoplasm				
3. Nucleus				
4. Nucleolus			Makes ribosomes	
5. Endoplasmic Reticulum				
6. Ribosomes				
7. Golgi complex				
8. Vacuoles				
9. Mitochondria (Need 3)				
10. Lysosomes				

General Project Guidelines	Total
Deductions if… No name on project	
Deductions if … Animal cell is not circular	
Deductions for … Sloppiness	
Deductions if … Not 3-dimensional	
Late: Date turned in: _____ # of days late:_____	

Final Grade: _____/100__

Comments:

Dear Parent, Guardian, Students, January 26, 2016

This letter is to inform you that your child has recently received his or her assignments for, "The Cell Project". They are responsible for creating an accurate representation of either an animal or plant cell. They are to make a cell using common household or craft materials.
All other requirements are listed on their assignment sheet.

The cell project is the first project assigned outside of the classroom this year in 7th grade science. This project will count as a major assessment. I will be grading their projects based on the rubric that is on the back of their assessment sheet. They HAVE to pick one of the two types of cells.

All students must submit the project the day it is due. There is a penalty for each day it is late. I will be taking 10 points off the grade for each day after the due date. Unfortunately if I do not receive the project after we track back in on March 8th, your child will receive a 0.

The cell project is due: Wednesday, February 10th 2016

If you have any questions about the cell project, please feel free to contact me through email or leave me a message at the main office.

Email: ajackson5@wcpss.net

Thank You,

Ms. Alyssa Jackson

Cut on the line below and turn in.

Please sign below and return to Ms. Jackson ASAP.

Parent/Guardian Signature _____

Student Signature_____

Date _____

You may use the picture to the right as a guide, but be sure to use the diagrams included in your cell notes and project rubric for directions!