

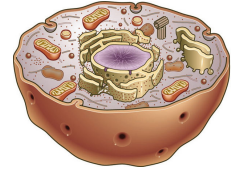
# CELL UNIT PROJECT

Student Name: \_\_\_\_\_

Due Date: \_\_\_\_\_



In this unit's project, you will **compare and contrast** the structure of a typical plant cell with that of a typical animal cell.



- **PROJECT FORMAT**- You will present the structural differences in visual form. Your project must be submitted as a **poster** that includes illustrations of both cells.
- **REQUIRED ELEMENTS**- Your project must contain the following elements for full credit:
  - Poster must be submitted on poster paper. 8 ½ x 11" printer paper is not acceptable.
  - Your name must be printed on the bottom right corner of poster.
  - Poster must contain one diagram of a typical animal cell, and one diagram of a typical plant cell. *It is suggested that shared structures/functions be labeled in between the two diagrams.*
  - Include the following cell structures:

1. Cell wall	5. Golgi Apparatus	8. Mitochondria
2. Cell membrane	6. Ribosomes	9. Vacuoles
3. Nucleus	7. Endoplasmic Reticulum (rough and smooth)	10. Lysosomes
4. Cytoplasm		11. Chloroplasts
  - Each organelle must
    1. Be diagrammed
    2. Be labeled
    3. Include a brief description of the its function
  - Poster must be in color, with labels typed. The use of lead pencil and/or pen is not acceptable.
- **GRADING CRITERIA**- Your project will be assessed using the provided rubric on the following criteria:
  - Overall presentation
  - Spelling, grammar and neatness
  - Accuracy
  - Creativity (*have fun...glitter makes for good ribosomes!*)
  - Completion
  - Punctuality
- **PROJECT VALUE**- One test grade

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## Grading Rubric

Component	4	3	2	1		
<b>Presentation</b>	Poster shows effort, neatness and creativity. Labels were typed.	Poster shows effort and creativity. Labels were handwritten.	Poster lacks effort and creativity, but was typed or written neatly in pen or marker. Pencil marks may be obvious.	Poster lacks all effort, creativity and neatness.		
<b>Mechanics</b>	No errors in spelling, grammar is correct and information was written in student's words.	1-2 errors in spelling, with correct grammar. Information was written in student's words	3 or more spelling and grammatical errors made. Information was written in student's own words.	Multiple spelling and grammatical errors made. Information was copied directly from research source.		
<b>Punctuality</b>	Project was submitted on or before assigned date.	Project was submitted one day after assigned date.	Project was submitted two days after assigned date.	Project was submitted three or more days after assigned date.		
<b>Student Name</b>	Student's name was printed in lower right corner of poster.		Student's name was printed in a location other than the lower right corner of poster.	Student's name was not printed on poster at all.		
<b>Poster Size</b>	Assignment was submitted on poster-sized paper.			Assignment was submitted on 8 1/2 x 11" sized paper.		
<b>Cell Labels</b>	Diagrams are appropriately labeled "Plant Cell" and "Animal Cell"	Only one of the two diagrams are appropriately labeled.		Neither of the two diagrams are appropriately labeled.		
Organelles	Present		Labeled		Function explained correctly	Total points per organelle
	Plant	Animal	Plant	Animal		
Cell wall	1 point	- 1 point	1 point	-1 point	1 point	
Cell membrane	1 point	1 point	1 point	1 point	1 point	
Nucleus	1 point	1 point	1 point	1 point	1 point	
Cytoplasm	1 point	1 point	1 point	1 point	1 point	
Golgi Apparatus	1 point	1 point	1 point	1 point	1 point	
Ribosomes	1 point	1 point	1 point	1 point	1 point	
Smooth Endoplasmic Reticulum	1 point	1 point	1 point	1 point	1 point	
Rough Endoplasmic Reticulum	1 point	1 point	1 point	1 point	1 point	
Mitochondria	1 point	1 point	1 point	1 point	1 point	
Vacuoles	1 point	1 point	1 point	1 point	1 point	
Lysosomes	- 1 point	1 point	- 1 point	1 point	1 point	
Chloroplasts	1 point	- 1 point	1 point	- 1 point	1 point	

Total score: \_\_\_\_\_ /79 = \_\_\_\_\_ %