NamePeriodDate
Cell Organelle Web Quest
Objective: Upon completion of this activity, you should be able to describe the cell and identify its parts (organelles). You should be able to distinguish between plant and animal cells.
PART I Go to: <a href="https://www.wisc-online.com/objects/index_tj.asp?objid=AP11604">www.wisc-online.com/objects/index_tj.asp?objid=AP11604</a> Click "Next" to begin the activity. Answer the following questions.
1. What is an organelle?
2. What do ribosomes do?
3. What do they look like?
4. What does the Golgi apparatus (or Golgi bodies) do?
5. What is the function of the mitochondria?
6. What does the nuclear membrane do?
7. What is the function of the nucleus?
8. What is the cell Membrane?
PART II Go to the interactive cell models at <a href="https://www.cellsalive.com/cells/3dcell.htm">www.cellsalive.com/cells/3dcell.htm</a> .
9. What is the difference between smooth and rough endoplasmic reticulum (ER)?
10. Where is the nucleus found?
11. What is the function of a lysosome?
12. What makes plant cells green?
13. What does a vacuole do?
14. What is the purpose of the cell wall? What type of cell is it found in?
15. What is a chloroplast?
16. What is the purpose of a cell? <a href="http://www.ehow.com/facts-5439557">http://www.ehow.com/facts-5439557</a> purpose-cell.html
17. What are the two types of reproduction and explain?  http://www.biotopics.co.uk/genes1/asexual_and_sexual_reproduction.html  a

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		HELP YOU LABEL YOUR CELL ANT AND THE ANIMAL CELL!!!
Animal Cell Coloring		
Use the following link to assist	you: http://www.enchantedle	earning.com/subjects/animals/cell/
Cell Membrane (light brown)	Nucleolus (black)	Mitochondria (orange)
Cytoplasm (white)	Golgi Apparatus (pink)	Lysosome (purple)
Ribosome (red)	Cilia (yellow)	Smooth Endoplasmic Reticulum( light b
Nuclear Membrane (dark brown)	Rough Endoplasmic Reticulur	m (dark blue)
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II. Briefly describe the function	of the cell parts.	
1. Cell membrane		
Endoplasmic Reticulum		
3. Ribosome		
Golgi Apparatus		

5. Lysosome \_\_\_\_\_
6. Microtubule \_\_\_\_
7. Mitochondria \_\_\_\_

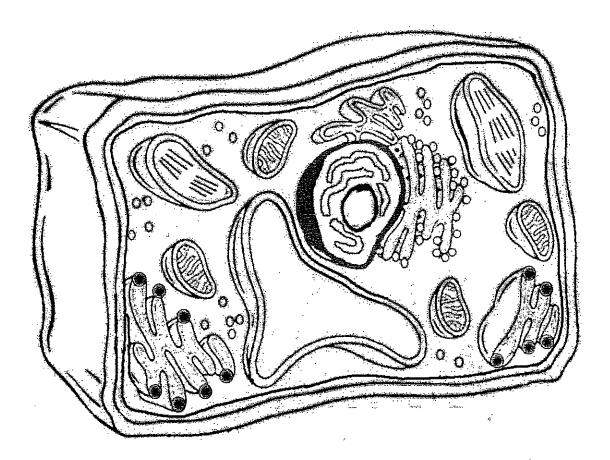
8. Nucleus

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# **Plant Cell Coloring**

Use the following link to assist you: http://www.enchantedlearning.com/subjects/plants/cell/

	Cell Wall (dark green)	Ribosome (purple)	
Cell Membrane (orange)	Nucleolus (brown)	Cytoplasm (white)	
Mitochondria (red)	Chloroplasts (light green)	Golgi Apparatus (dk blue)	
Vacuole (light blue)		,	
Chromosomes (gray)	Smooth Endoplasmic Reticulum (pink)		
(3)	Rough Endoplasmic Reticu	ılum (pink)	



# Analysis

- 1. Name two things found in a plant cell that are not found in an animal cell:
- 2. How does the shape of a plant cell differ from that of an animal cell?
- 3. What is the function of the chloroplasts?
- 4. What is the function of the vacuole?

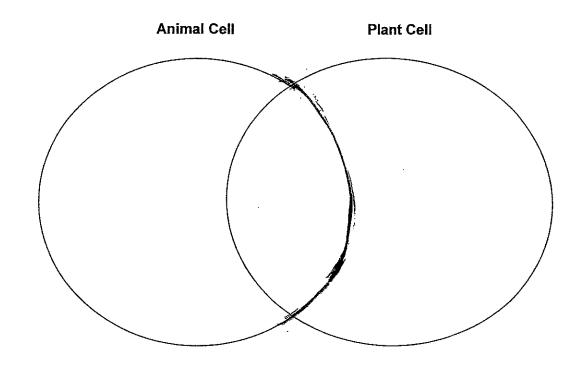
## PART III

Go to the Cell Comparison Tutorial

# https://www.youtube.com/watch?v=0eHzdj69O6M

Click on Animal vs. Plant Cell

15. Complete the Venn Diagram and make a copy of the correct answers here.



## **PART IV**

Cell Quiz: Go to <a href="https://www.biologycorner.com//quiz/qz">https://www.biologycorner.com//quiz/qz</a> cell.html. Complete the cell quiz. When you are finished, raise your hand to show your score to your teacher. Score \_\_\_\_\_\_ Teacher's signature \_\_\_\_\_

## **PART V**

Finished with time to spare? Go back to www.cellsalive.com/cells/3dcell.htm.

Click on PUZZLES on the left hand side of the screen and complete a cell puzzle.

You may also try a review game:

Battleship: www.quia.com/ba/15335.html

Matching: www.quia.com/mc/310905.html