Name_____ Period _____ Date _____

Cell Organelle Web Quest

<u>Objective</u>: 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: www.wisc-online.com/objects/index_tj.asp?objid=AP11604
Click "Next" to begin the activity. Answer the following questions.

1. What do ribosomes do?

2. What do they look like?

3. What does the Golgi apparatus (or Golgi bodies) do?

4. What is the function of the mitochondria?

5. Which type of cell has many peroxisomes?

6. What is the function of the nucleus?

7. What is chromatin?

PART II
Go to the interactive cell models at www.cellsalive.com/cells/3dcell.htm.

8. What is the difference between smooth and rough endoplasmic reticulum (ER)?

9. Where is the nucleus found?

10. Cytosol goes by what other name?

11. What is the function of a lysosome?

12. What makes plant cells green?

13. What does a vacuole do?

14. NOW USE THE INTERACTIVE CELLS TO HELP YOU LABEL YOUR CELL DIAGRAMS. DON'T FORGET TO DO BOTH THE PLANT AND THE ANIMAL CELL!!!
Note: Your diagrams do not include peroxisomes, secretory vesicles, or the cytoskeleton. Do not include these parts on your diagram!
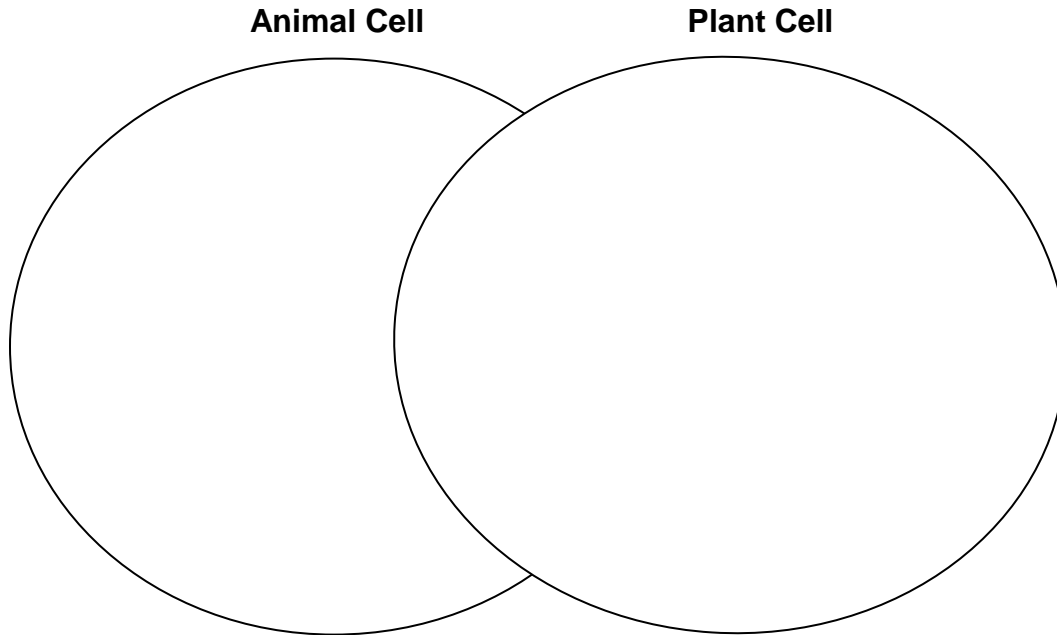
Name_____ Period _____ Date _____

PART III
Go to the Cell Comparison Tutorial
www.omatclasses.com/cellcomparisons/html/cell_comparisons.html

Click on *Animal vs. Plant Cell*
15. Complete the Venn Diagram and make a copy of the correct answers here.

Animal Cell   **Plant Cell**

PART IV
Cell Quiz: Go to http://www.biologycorner.com/bio1/cellquiz.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