

Name: _____

Human Cells Webquest

Mrs. Gardner

Go to one of the following websites to find the information to complete the table below.

“Animal Cell Interactive”: <http://www.wisc-online.com/objects/ViewObject.aspx?ID=AP11403>

“The Virtual Cell”: <http://www.ibiblio.org/virtualcell/tour/cell/cell.htm>

“Cells Alive”: http://www.cellsalive.com/cells/cell_model.htm

Organelle	Where is it found?	What is its function?
nucleus		
nucleolus		
nuclear membrane		
cell membrane		
endoplasmic reticulum		
golgi bodies (or apparatus)		
cell membrane		
cytoplasm		
mitochondria		
vacuole		
lysosome		
ribosomes		

Read through the “comic book” found at the following website created by the website of the Nobel Prize:

<http://nobelprize.org/educational/medicine/cell/>

Click on “The Incredible Megacell” where it says “play” to read through the comic book. As you read through, answer the following questions and then play the game at the end to save Professor Megacell by following the clues that his minions are giving you.

1. What invention allowed scientists to clearly study the organelles found in human cells?
2. Name the three scientists who – in 1974 – received the Nobel Prize for their studies about cell organelles and their functions.
3. What machine did they use to separate the cells into separate chemical components so that they could more easily study them?
4. How does the machine work?
5. Now you’ll need to play the game...