



G R O W
NEXT GEN

AFNR Biotechnology Unit
Cell Analogy Assignment

Name _____

1. Look at this information to learn about cells and cell parts:

http://www.biology4kids.com/files/cell_main.html (be sure to scroll down to video)

<http://www.uic.edu/classes/bios/bios100/lecturesf04am/lect06.htm> (scroll down to cell parts)

Create an analogy for cells, including specific cell parts. Include a minimum of 15 parts of the cell in your analogy. Each piece of the cell should be correlated with a part of the analogy and include a picture and description of the relationship. After completing the worksheet below, you will create a poster of this analogy. Be sure that you state the analogy and use photos/drawings with descriptions for each of the 15 parts and their respective analogies. See grading criteria and examples below.

1. In my cell analogy, the cell is like:
2. In my cell analogy, the item or thing being produced is (like cells produce protein):
3. In my cell analogy, these cell organelles are represented by.... because....

Cell wall

Cell membrane

Nucleus

Nucleolus

Mitochondria

Chloroplast

Lysosome

Ribosome

Endoplasmic reticulum

Vacuole

Cytosol

Chromosome

Golgi bodies/apparatus

You choose the last 2 parts!

Rubric on next page...



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Rubric

____/5	Analogy stated
____/40	20 parts used/identified
____/60	Relationship identified and explained for each of the 20 parts
____/45	Creativity and neatness of poster
____/150	TOTAL POINTS