

Name_____ Date_____

How Is Your School Like a Cell?

Use the following information and pages 12 and 13 in your textbook to relate each part of the cell to an area, person, room etc in your school that does a similar job. Explain how the two are related.

Organelles - Different parts of the cell that each does a different job.

Nucleus - Tells the cell what to do and stores genetic information.

Analogy: the brain or the boss of the cell.

Cell Membrane - it holds the cell together and decides what comes in and out. **Analogy** : skin in humans.

Mitochondria - the energy producer of a cell. It releases energy from nutrients for the cell to use. **Analogy:** Battery inside a flashlight.

Cytoplasm - a jelly-like substance that protects the organelles and helps the cell stay healthy **Analogy:** bubble wrap or styrofoam beans in a package.

Chromosomes: A threadlike structure that contains genetic information about the characteristics of that organism. **Analogy:** Computer software or memory chip/hard drive in computers.

Chloroplast (plant cell only): Makes food for the cell

Analogy: Your very own personal chef. (i.e.: Mom or sometimes Dad)

Vesicle: Stores nutrients, water and waste for the cell. **Analogy:** A refrigerator or trash can in a house.

Part of the Cell	Part/job in your school	How is the part/job in your school like the part in the cell ?
Organelles		
The Nucleus		
Chromatin		
Cell Membrane		
Mitochondria		
Vesicle		

Draw a diagram relating your school to a cell. Include all the parts listed above.