



### Biology 11 Cell Analogies Collage

"It takes 3 million cells to cover the head of a pin, but only one cell collage to cover a large part of your Biology grade!" Working with a partner complete the following:

1. Draw a plant or animal cell in pencil in the center of a piece of 8.5" X 11" white paper. Include the following structures:  
cell or plasma membrane, cell wall,  
cytoplasm, chloroplast,  
chromatin, centriole,  
nucleus, cytoskeleton,  
nucleolus, cilia,  
mitochondrion, flagellum,  
Golgi apparatus, lysosome,  
ribosome, vacuole,  
endoplasmic reticulum,  
microtubules, microfilaments.
2. Correctly identify your cell as a plant cell or an animal cell.
3. Find out the function (or main job) each structure has in the cell. (Read your book, check the glossary, internet and class notes.)
4. Find a magazine or newspaper picture of an everyday object which has a similar function (or use) as each cell structure. Write an analogy for **15 organelles** to show the similarity between the cell part and the everyday object. Be sure to explain the reasoning behind your analogies. (The nucleus is like a brain because it controls and coordinates the activities of the whole cell in the same way the brain controls and coordinates activities of the body.)
5. Paste your cell diagram in the center of the chart paper.
6. Paste the pictures of everyday objects at the edges of the chart paper. Label the pictures with your neatly written analogies and make a pointer to the correct structure in your cell drawing.

#### GRADING POLICY:

Drawing	Title	Functions	Analogies	Pictures	Neatness
20	5	15	15	15	10

**Total is out of 80 possible points.**

**Partners Names:**