Exploring Cells!!
Objectives: I can understand the relative sizes of objects, including the cell. I can sketch and identify the function of cell structures. I can compare eukaryote to prokaryote cells. I can compare plant and animals cells.
Activity 1: Go to <a href="http://learn.genetics.utah.edu/content/cells/scale/">http://learn.genetics.utah.edu/content/cells/scale/</a>
<b>Directions:</b> Zoom in and out into the <b>Microscopic World</b> and explore the relative size of things!
Answer the following questions:  1) Which is bigger - grain of rice or an Amoeba?
2) Which is bigger - an <i>Ameoba</i> or a <i>paramecium</i> ?
3) Which is bigger - a skin cell or a paramecium?
4) Which is bigger - <b>blood cell</b> or a <b>bacteria</b> ?
5) What is the second to smallest thing? Does it surprise you how tiny this
is?
Activity 2: go to the website: <a href="www.cellsalive.com">www.cellsalive.com</a> Click on the green words "interactive plant & animal cells"  Directions: Click through each of the ORGANELLES and read their descriptions.  Remember – ORGANELLES are the little structures that make up cells and they each have a specific purpose in the cell. Use the information to answer the questions.
1. What do the <b>mitochondrion</b> do for the cell that is so important???
2. What does the <b>nucleus</b> do for the cell? (Read the second paragraph!)
3. What is <i>cytosol</i> and <i>Cytoplasm??</i>
4. What do the <b>vacuoles</b> do for the cell? Which body system is are the vacuoles similar to?

Work Hard - Get Smart - No Excuses.

Scientist's Name: \_\_\_\_\_

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Vork Hard – Get Smart – No Excuses.
. Click <b>Cell Wall</b> – what does it tell you?
. Click <b>chloroplasts</b> – what does it tell you?
ext, go to the <b>Plant Cell.</b> Things like plants, trees, and even lettuce and tomatoes are nade of plant cells, wow!!!
. Click <b>chloroplasts.</b> The chloroplasts contain the plant's that
re responsible for the plant's and ability to absorb
. Why do you think plant cells need <b>chloroplasts</b> and animal cells do not?
. Click <b>Cell Wall.</b> The cell wall provides and maintains the of these
and serves as a
. Why do you think plant cells need cell walls and animal cells do not?

Scientist's Name: