

Pick Three: Cells

- Pick any three activities in a row (horizontal, vertical, or diagonal)
- Each on a separate 8 ½ by 11 poster-style flyer (creative layout and design – fill entire page with info)
- Saved as a PDF and submitted via Weebly HERE: <http://khbscience.weebly.com/cells-and-heredity.html>
- Each with a minimum of 3-5 colored pictures

<p>The word “cell” has many meanings. Write a scientific definition for the word “cell.” Then, write definitions for each of the following terms that include the word cell: fuel cell, prison cell, solar cell, cell in a data table, and dry cell. Include pictures of each type of cell.</p>	<p>Research the electron microscope. Tell who discovered it, when it was discovered, different types, and how it is used to study cells. Be sure to include a 3-5 pictures or diagrams.</p>	<p>Make a Venn diagram on plant, animal, and bacteria cells to show which structures/organelles are parts of animal cells, which are parts of plant cells, and which are parts of bacteria cells and which are parts of all three. Include a diagram of all three types on your flyer.</p>
<p>Research one of the following scientists in cellular history: Anton van Leeuwenhoek, Robert Hooke, Matthias Schleiden, Rudolf Virchow, and Theodor Schwann. Write a full page biography on each with birth date, death date, country, and 10 interesting facts, and at least 3 pictures</p>	<p>Investigate the different kinds of cells in your body. Include pictures of each and write the about the function of each cell. (blood, smooth muscle, cardiac, skin, bone, nerve, etc.) Include 8 types of cells.</p>	<p>A cell is like a miniature factory. Find at least 5 INDIVIDUAL pictures of a cell as a factory. Give the function of each part of the factory and tell which cell part it corresponds to. YOU ARE NOT ALLOWED TO FIND ONE PICTURE THAT INCLUDES THEM ALL. Include a picture of the cell part and the factory representation.</p>
<p>You are a reporter for the “The World of Science” Magazine. Write an full page editorial article about the controversy of using stem cells. Tell who they are used, why is it controversial, and tell how you feel about the use of stem cells for medical purposes. Include an additional 10 interesting facts and information.</p>	<p>Create 10 picture analogies for the structure or organelles in a cell. Include pictures.</p> <p>Example: Bark is to dog as meow is to cat. _____ is to a cell as _____ is to a _____.</p>	<p>Pick one of the following careers to research: microbiologist, oncologist, pathologist, forensic specialist. Find out the education requirements, skills needed, salary range, and job outlook for the career. Write a full page article about how that career relates to you. Tell whether you would be interested in that career. Include pictures. You may do in the form of a Job Description/Advertisement.</p>