***I Saw it First!***

***Scientists Facts***

**Hans and Zacharias Janssen**

* Dutch lens grinders, father and son
* produced first compound microscope (2 lenses)

**Robert Hooke (1665)**

* English scientist
* looked at a thin slice of cork (oak cork) through a compound microscope
* Observed tiny, hollow, room like structures. He called these structures 'cells' because they reminded him of the rooms that monks lived in.
* only saw the outer walls (cell walls) because cork cells are not alive

**Anton van Leeuwenhoek (around the same time as Hooke 1680?)**

* Dutch fabric merchant and amateur scientist
* looked at blood, rainwater, scrapings from teeth through a simple microscope (1 lens)
* Observed living cells; called some 'animalcules'. Some of the small 'animalcules' are now called bacteria.

**Robert Brown (1833)**

* Scottish scientist –
* Observed that many cells had a dark structure near the center of the cell, which we now call the nucleus.

**Matthias Schleiden (1838)**

* German botanist
* viewed plant parts under a microscope
* discovered that plant parts are made of cells

**Theodor Schwann (1839)**

* German zoologist
* viewed animal parts under a microscope
* discovered that animal parts are made of cells

**Rudolph Virchow (1855)**

* German physician
* stated that all living cells come only from other living cells

**Janet Plowe (1931)**

* Demonstrated that the cell membrane is a physical structure, not just an interface between two liquids.

**I Saw It First!**

**Assignment Sheet**

***Assignment #1 – Individual***

*Trading Cards*

Create trading cards for the scientists on the back of this sheet. Your trading cards should include the following

* + Name of scientist
  + Occupation of scientist
  + Scientific Discovery and the year they discovered it
  + Picture of Scientist (may be done @home)

The scientists’ name and picture should be on the front while everything else is on the back. This assignment must be done on index cards.

**Assignment #2 – Group**

*Cell Theory Time Line*

As a group, create a timeline depicting the discoveries on the back of this sheet. Be creative. Your timeline should include drawings. You are not being graded on your artistic ability. You are being graded on accuracy.