

Cell Theory Timeline

CELL THEORY HISTORICAL TIMELINE ACTIVITY

- ❖ List a few of the characteristics the following people have made to science
- ❖ List the Dates of the contributions that these people have made
 - ✓ Robert Hooke:
 - ✓ Hans & Zacharias Janssen:
 - ✓ Anton van Leeuwenhoek:
 - ✓ Matthias Schleiden:
 - ✓ Theodor Schwann:
 - ✓ Rudolph Virchow:

*****Create a Timeline showing the chronological order of these scientists and their contributions. You will first put your information on Inventor Cards and then create your timeline. Here is what should be on the Timeline***ALL 6 INVENTORS ARE ON THE TIMELINE**

- ✓ Label the time line with dates of the above Scientists discoveries (on the inventor card)
- ✓ The earliest date should be on the left of the timeline and the most recent date should be on the right
- ✓ Label each date with corresponding scientist's name & contribution(s) in an organized and legible manner
- ✓ Be sure your spacing shows a reasonable approximation of the amount of time that elapsed between dates

Questions to Answer

1. What theory did these scientists provide evidence for?
Cell Theory
2. What instrument was necessary before the cell theory could be developed?
Compound microscope
3. Which 3 scientists directly contributed evidence for the cell theory?
 - 1) Schleiden
 - 2) Schwann
 - 3) Virchow
4. How did the earlier scientists and their contributions directly affect the discoveries of later scientists (see #2)? For example what had to come first? **Janssen invented the compound microscope, Hooke first identified the cell, and Leeuwenhoek made better lenses**
5. List the 3 Parts of the Cell Theory:
 - 1) All organisms are made of cells.
 - 2) All existing cells are produced by other living cells.
 - 3) The cell is the most basic unit of life.

Inventor Cards

Date: Late 1500's

Inventor: Hans and Zacharias Janssen

Picture of Invention:



Description: Father and Son Dutch eyeglass

Date: 1665

Inventor: Robert Hooke

Picture of Invention:



Description: Hooke was the first to identify cells, and he named them.

Date: 1674

Inventor: Anton van Leeuwenhoek

Picture of Invention:



Description: Because he made better lenses he observed cells in greater detail

Date: 1838

Inventor: Matthias Schleiden

Picture of Invention:



Description: He was the first to note that plants are made of cells.

Date: 1839

Inventor: Theodor Schwann

Picture of Invention:



Description: He concluded that all living things are made of cells.

Date: 1858

Inventor: Rudolf Virchow

Picture of Invention:



Description: He proposed that all cells come from other cells.