

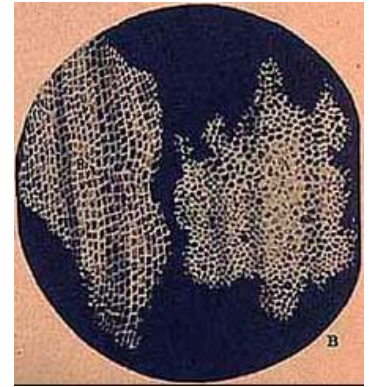
The Discoveries Leading Up To The Cell Theory

-----1665:

Robert Hooke/(1635-1703)/English Scientist

Used the 1st compound light microscope (30X) to view dead cells
(cork from an oak tree)

Coined the term *cells* (resemblance to Monk's headquarters)

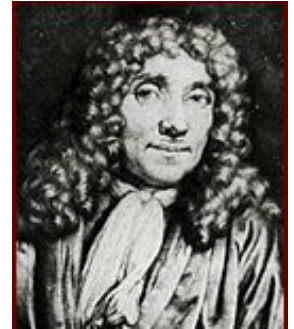


-----1678:

Anton van Leeuwenhoek/(1632-1723)/Dutch Scientist

Observed the first bacteria in the saliva and plaque of his wife's teeth!

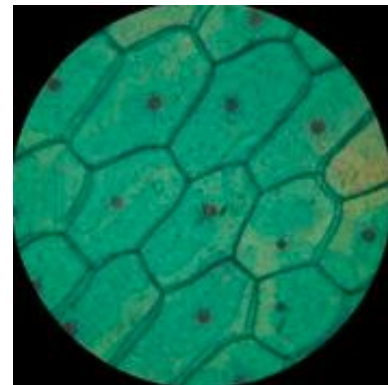
Used 300X magnifying lens



-----1831:

Robert Brown/(1773-1858)/Scottish Scientist

Observed nucleus and named it after a nut!



-----1838:

Matthias Schleiden/(1804-1881)/German Botanist

"All plants are made up of cells"

Theodor Schwann /(1810-1882)/German zoologist

"All animals are made up of cells"

-----1858:

Rudolf Virchow/(1821-1902)/ German Scientist

Observed cell division- *Omnis cellula e cellula*

THE CELL THEORY:

- 1- All living things are made up of cells.
- 2- All cells come from pre-existing cells.
- 3- The cell is the basic unit of function and structure in living things.

