

Robert Hooke



- English Scientist
- 1663
 - Studied Cork
 - 1st to use the word "Cell"
 - Noted Structure looked like "cells" and had "walls"



Anton van Leeuwenhoek

- Dutch Scientist (1673)
 - "Father of Microbiology"
 - Built 1st Modern Microscope
 - 1st person to observe microorganisms
 - Looked at pond H₂O under a microscope & saw life
- His Discoveries



Matthias Schleiden

- Determines Plants are made up of cells
- 1838



Library of Congress

Theodor Schwann

- Discovers Animals are made up of cells
- 1839



Spontaneous Generation

- Believed in late 19th century
- Life from non-life

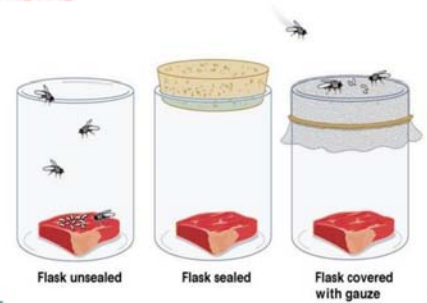


Recipe for Mice by Dr. Jan Baptista van Helmont



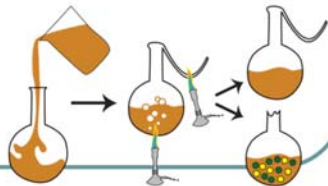
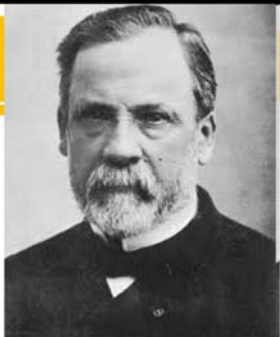
Francesco Redi

- Disproved Spontaneous Generation for large organisms
- 1668



Louis Pasteur

- Disproved Spontaneous Generation (1859) for microorganisms
- Research proved life was in the air; life didn't develop from nothing



Rudolf Virchow

- 1855
- Cell Theory:
 - All organisms consist of 1 or more cells.
 - Cell is the smallest unit of life.
 - All cells come from pre-existing cells.



Cells

- Cells appear different

- Different Shape & Size = Different Function

