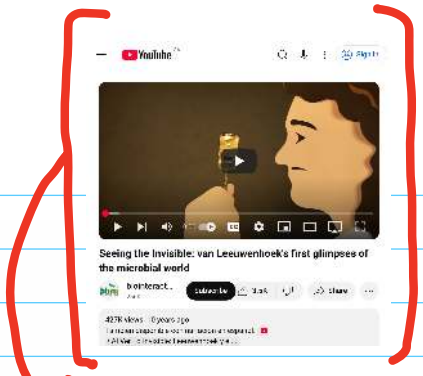


The Cell: Part 1



https://www.youtube.com/watch?v=ePnbkNVdPio

Anton van Leeuwenhoek



- Invented first single lens microscope
- B/c of : discovered vast world of living, unseen unicellular organisms for all living things

Robert Hooke



- Coined the word "cell" by looking @ cork under microscope
- His drawings were the first to show general structure of cells

Professors Theodor Schwann & Mattias Schleiden





- Proved that:
  - All cells are ALIVE
  - All living things made of cells
  - Organisms are either unicellular or multicellular/complex

unicellular → 1 cell

multicellular/complex → many-celled

magnified 18000x



Mycoplasma (smallest known organism)

Blue whale (largest known organism)



can be up to 30m (98ft) long



WATCH: Wacky History of Cell Theory

https://www.youtube.com/watch?v=4OpBylwH9DU

THE THREE KEY PARTS of CELL THEORY

1. CELLS ARE... THE BASIC BUILDING BLOCK of ALL LIFE
2. ALL LIVING THINGS ARE... MADE of CELLS (1 OR MORE)
3. CELLS ARE LIVING - THEY CAN LIVE & DIE