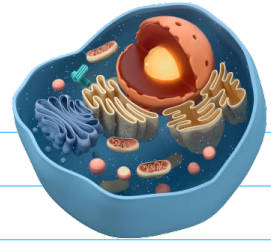


THE CELL: PART 1



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

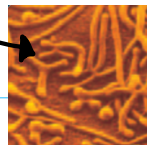
PROFESSORS THEODOR SCHWANN & MATTIAS SCHLEIDEN



→ PROVED THAT:

- ALL CELLS ARE ALIVE
- ALL LIVING THINGS MADE OF CELLS
- ORGANISMS ARE EITHER UNICELLULAR OR MULTICELLULAR/COMPLEX

MAGNIFIED 18000x



MYCOPLASMA (SMALLEST KNOWN ORGANISM)

↳ 1 CELL

↳ MANY-CELLED

BLUE WHALE (LARGEST KNOWN ORGANISM)



CAN BE UP TO 30M (98FT) LONG