

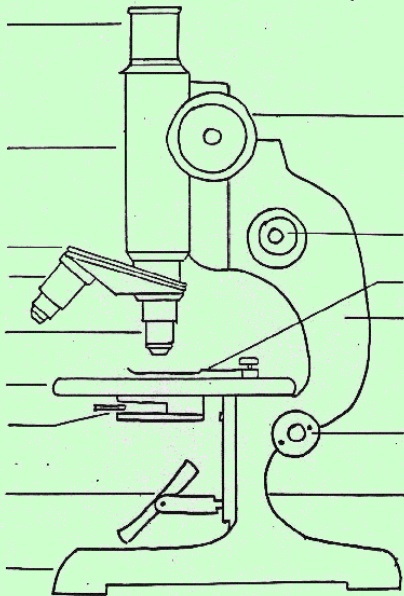
# UNIT 4

## Cells and Cellular Processes

# **Cytology = study of CELLS**

Development of

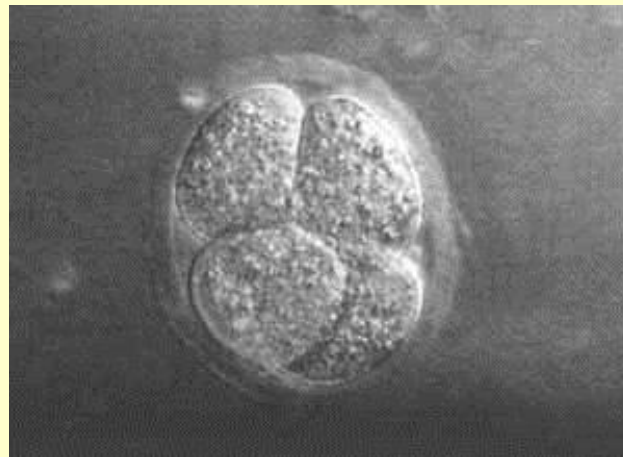
## **MICROSCOPE**



makes study of cells possible

# CELL THEORY

1. ALL living things are made of cells (or a cell) → cell = principle unit of life
2. ALL (living) cells carry out ALL life processes
3. All cells come from pre-existing cells



# “Exceptions” to Cell Theory

- VIRUSES
  - A bit of nucleic acid wrapped in protein
  - Cannot carry out life processes except reproduction (and they can't do that on their own)

- FIRST CELL?
- REPRODUCTION?

