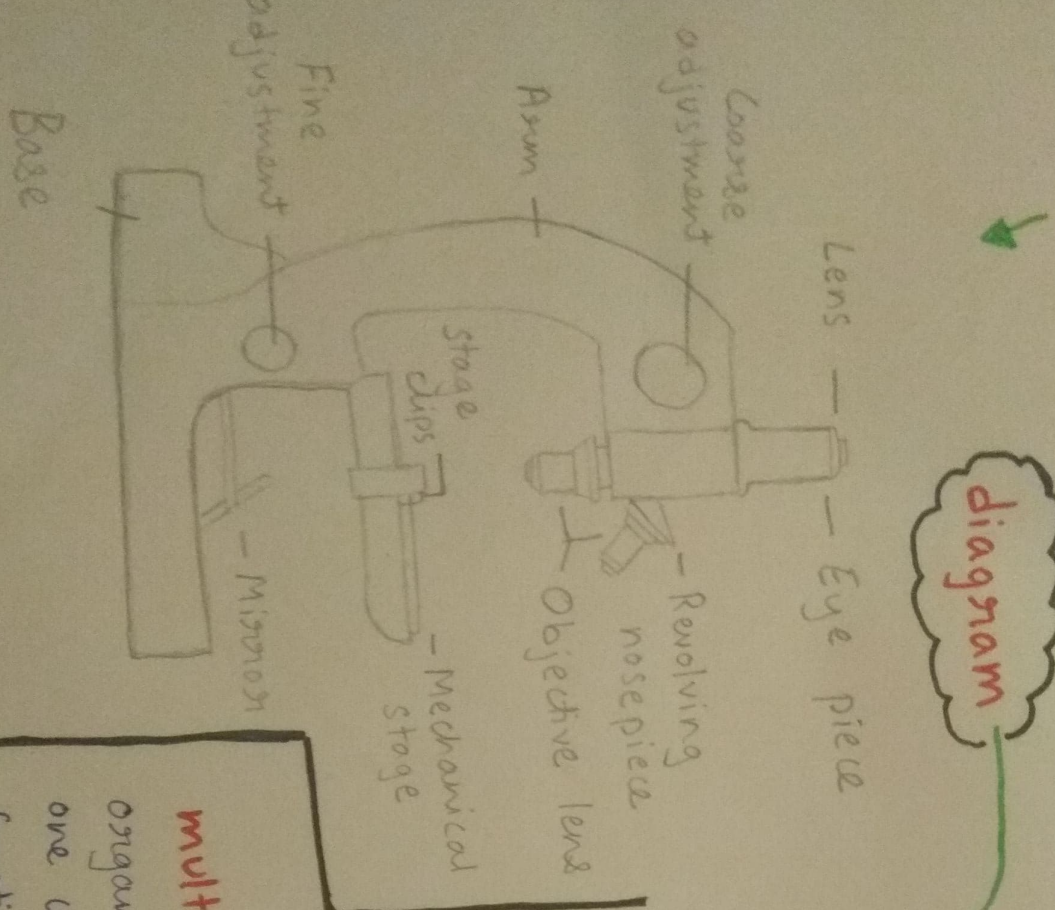


COMPOUND MICROSCOPE



diagram

Latin word for 'a little room'.

CELL

discovered by

Robert Hooke

how?

by observing a thin slice of cork under his microscope

MICROSCOPE

unicellular organisms

organisms with 1 cell.
⇒ paramoecium, amoeba, chlamydomonas

multicellular organisms

organism with more than one cell (to perform various functions)
⇒ animals, plants, fungi

discovered by

Antony Van Leeuwenhoek

magnification

calculation

• Objective lens =

10x, 40x, 100x

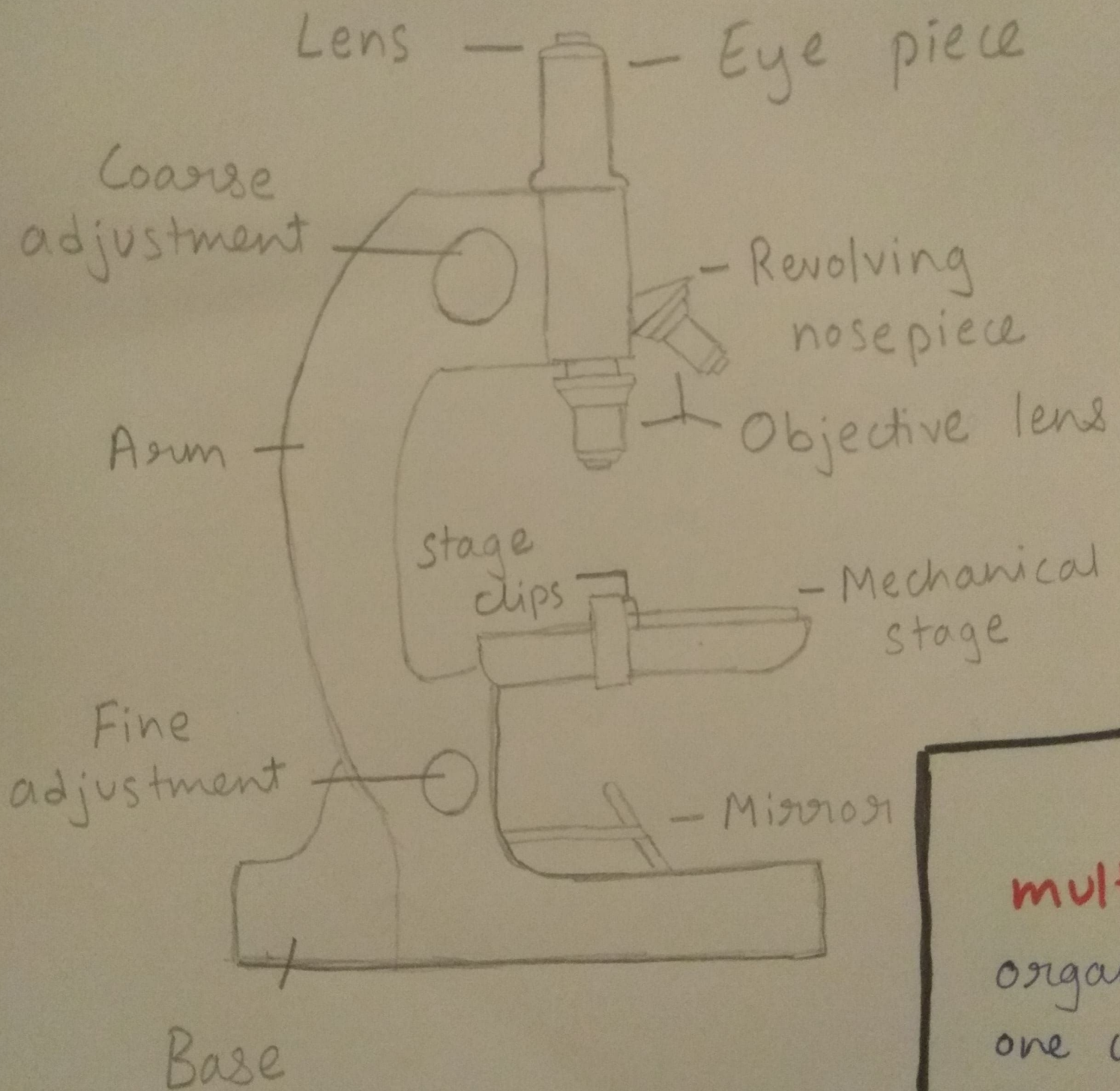
• Eye piece or ocular lens =

5x, 10x, 15x

• Total magnification =

magnification of objective lens multiplied by magnification of ocular lens

diagram



multi

organism

one cell

function

⇒ anim

CHARACTERISTICS OF LIVING ORGANISMS

- movement
- reproduction
- sensitivity
- growth
- respiration
- excretion
- nutrition