

BOTANY - CELL:THE UNIT OF LIFE Cheat Sheet

by Priyadarshini Mishra (priyapiyumishra) via cheatography.com/210880/cs/46291/

CELL HISTORY

Robert Hooke = Dead cell

Robert Brown = Nucleus

Anton Leeuwenhoek = Living Cell

CELL THEORY OF LIFE

MATTHIAS SCHLEIDEN ALL PLANTS (living organisms) ARE COMPOSED OF CELLS

THEODORE SCHWANN PRESENCE OF PLASMA MEMBRANE & CELL WALL

RUDOLF VIRCHOW CELLS DIVIDED AND NEW CELLS ARE FORMED FROM EXISTING CELLS

PROKARYOTIC CELLS

PRIMITIVE NUCLEUS, NAKED DNA

PLASMIDS

RESISTANCE TO ANTIBIOTICS, MONITORS
BACTERIAL TRANSFORMATION WITH FOREIGN DNA
ORGANELLES ABSENT
EXCEPT RIBOSOMES



By Priyadarshini Mishra
(priyapiyumishra)

cheatography.com/priyapiyumishra/

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