

Basic Concepts of Cells

History

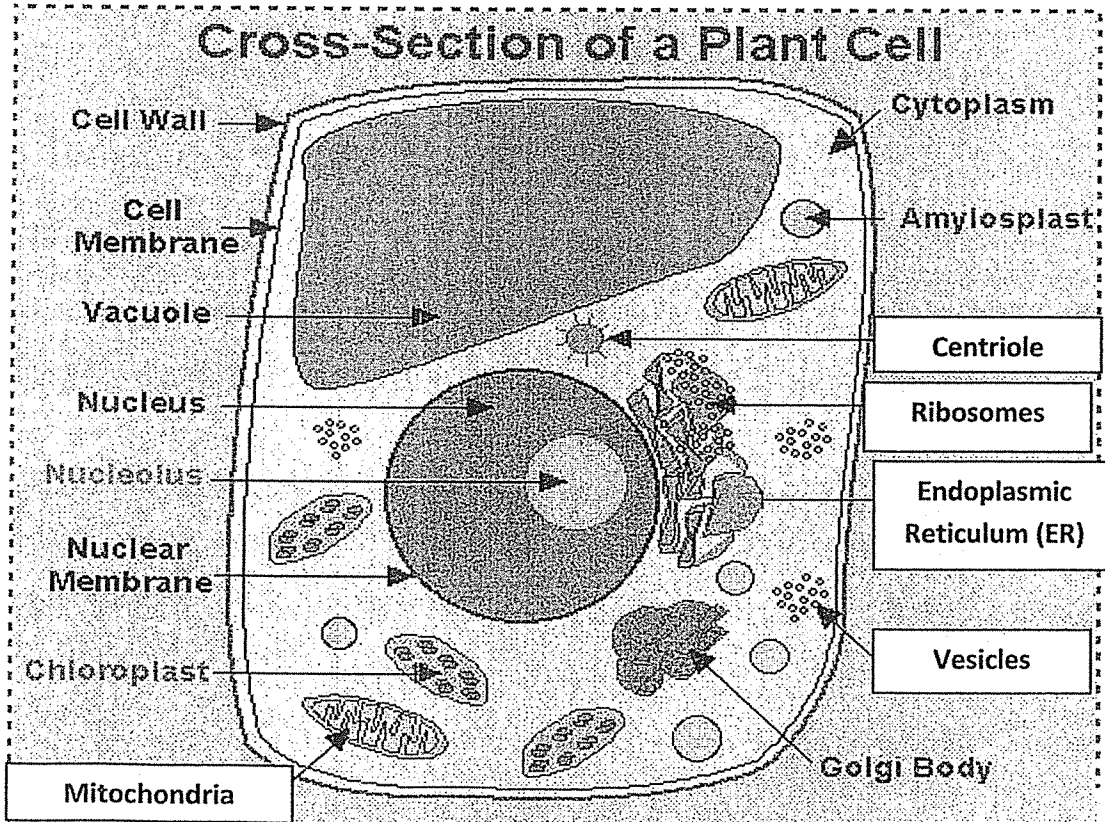
- Robert Hooke = 1660 - Observed strip of cork – saw empty spaces
 - Gave the name cell
 - These were dead plant cells

Cell Basics

- Cells = basic unit of life
 - All living organisms contain cells
 - All cells perform the 7 functions of life
 - Tissue = layers of similar cells
- There are specialized cells for every tissue in the body
 - Function is determined by DNA
- Prokaryotic Cells = A cell that lacks a nucleus and other complex organelles
 - DNA not organized within nucleus
 - Most unicellular organisms – Eubacteria and Archaeobacteria
- Eukaryotic Cells = A cell that contains its genetic material within a nucleus
 - All multicellular organisms and Protists

Parts of Cells

Plant Cell



Animal Cell

