

Discovering the Cell - Video 26min

History of the Discovery of Cells

Describe briefly what each of these following men did to advance the understanding of what we now know about cells

1665 Robert Hooke

1675 Anton van Leeuwenhoek

1700's what happened to microscopes?

end of 1830's Schlieden & Schwann

1858 Veercoff

What important theory was developed because of these scientists work?

Modern Biology -- Microscopes

What happened at these dates that was important to the study of cells

1930 _____

1950's _____

What are the differences between a light microscope and an electron microscope in the way that cells are studied?

What microscope is used to study cells in 3 Dimensions?

These are cell parts & activities. Briefly describe what each does

Cell Membrane _____

Active Transport _____

Passive Transport _____

Cell Organelles

Nucleus _____

Nuclear Membrane _____

Chromatin _____

Chromosomes _____

Cytoplasm _____

Mitochondria _____

Ribosome _____

Golgi Apparatus _____

Plant Cell Parts

Plastids _____

Chlorophyll _____

Photosynthesis _____

Cell Wall _____

Basic Cell Activities

GROWTH by Cell Division

The process of Cell Division is called _____

Label the steps of cell division below

I = _____

P = _____

M = _____

A = _____

T = _____

REPRODUCTION (this cell process is called) _____