

Feb 20, 2012

- 1) Cell Pre-quiz
- 2) Cell Theory

How many cells make up the human body?

one hundred trillion

Cell Pre-Quiz

The Discovery of the Cell

"Seeing is believing."

- Mid-1600's: Scientists began to use early [microscopes](#).
- [Robert Hooke](#) (1665) examined slices of cork, which seemed to be made of thousands of tiny, empty chambers.
- Hooke coined the term "[cell](#)" because what he observed reminded him of the small rooms in a monastery.

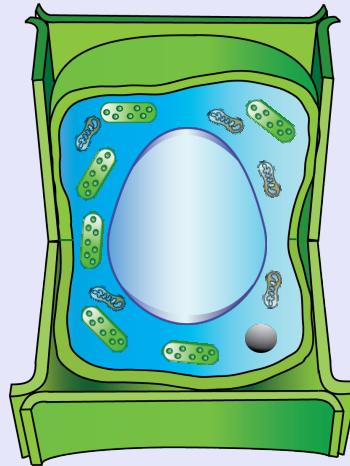
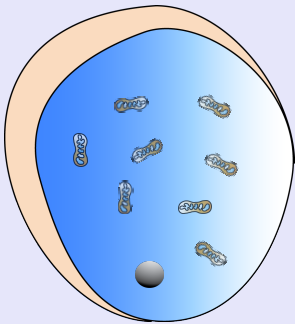
- [Anton van Leeuwenhoek](#) used a microscope to observe pond water and discovered a world of tiny, living things.
- van Leeuwenhoek was the first to observe and record living cells.



- Soon, many scientists had observed cells in all living things.
- [Schleiden](#): all plants are made of cells
- [Schwann](#): all animals are made of cells
- [Virchow](#): new cells are produced only by division of other cells

Modern Cell Theory

- All living things are composed of cells.
- Cells are the basic units of structure and function in living things.
- New cells are produced from existing cells.



Attachments

Bio 112 Cells Pretest.notebook