

GENERAL BIOLOGY 1

LESSON 1: CELL THEORY

Biology (Study of Life)

- Bios-life
- Logos-study

SCIENTIST CONTRIBUTES TO THE CELL THEORY

- ❖ Robert Hooke
 - The first scientist to discover the cell
 - Observe a thin sliced of cork using microscope with 20x-50x magnification
 - Inside the thin sliced of cork he found an empty rooms that he called cell from the Greek word
- ❖ Antoine Van Leeuwenhoek
 - The father of microbiology
 - Invented a compound microscope with magnification of 270
 - Tried the experiment of Hooke using his microscope and found motile objects in cork
 - Discover the red blood cells, sperm cell, protist, and bacteria

FORMULATES

- ❖ Matthias Jakob Schleiden
 - German Botanist
 - Proposed that all plants are composed of cell
- ❖ Theodore Schwann
 - German Zoologist
 - Proposed that all animals are composed of cell
- ❖ Rodolph Virchow
 - German Pathatologist
 - Proposed that all living cells comes from pre-existing cells

Cell Theory

- Basic unit of life
- All living things are composed of one or more cell
- All living things comes from pre-existing cell

LESSON 2: STRUCTURE AND FUNCTION

- Structure means the physical appearance of a thing
- Function means the task or job of a thing
- Cell Wall
 - Outermost layer of the cell
 - Found only in plants
 - Gives strength and support and structure

Hs Biology Science Unit 02 Lesson 04 Answer Key

Ian Pickup



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