

# Biological Science 1 Bio 101 Study Guide Chapters 1-3

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## Chapter 1

### *Key Concepts:*

#### *1.1 The Scientific Method*

- Observation and experimentation are used to collect data and test hypotheses*
- Theories are developed to explain the observations*
- Theories are constantly being revised as new information is discovered*

#### *1.2 The Cell*

- Cells are the basic unit of life*
- All cells come from preexisting cells*
- Cells carry out the functions of life*

#### *1.3 Genetics*

- Genetics is the study of heredity*
- DNA is the molecule that contains the genetic information*
- Genes are the units of hereditary information*

### *Important Events:*

- The discovery of the cell by Robert Hooke in 1665*
- The discovery of DNA by Friedrich Miescher in 1869*
- The discovery of the genetic code by Francis Crick, James Watson, and Maurice Wilkins in 1953*

### *Notable Figures:*

- Robert Hooke- discovered cells in 1665*
- Friedrich Miescher- discovered DNA in 1869*
- Francis Crick, James Watson, Maurice Wilkins- discovered the genetic code in 1953*

## Chapter 2

# Bio 2014 Study Guide

**Kailash Verma**



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