

# 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

# Study Guide For Biological Science

**Warren W. Burggren, Brian Bagatto, Jay  
Brewster, Scott Freeman, Laurel Hester**

## **Study Guide For Biological Science:**

**Study Guide for Biological Science** Scott Freeman,2008-03-10 The Study Guide presents a breakdown of key biological concepts difficult topics and quizzes and features four introductory stand alone chapters Introduction to Experimentation and Research in the Biological Sciences Presenting Biological Data Understanding Patterns in Biology and Improving Study Techniques and Reading and Writing to Understand Biology **Study Guide for Biological Science** Scott Freeman,Kim Quillin,Lizabeth Allison,Warren Burggren,2013-06-26 The Study Guide presents a breakdown of key biological concepts difficult topics and quizzes to help students prepare for exams Unique to this study guide are four introductory stand alone chapters that introduce students to foundational ideas and skills necessary for classroom success Introduction to Experimentation and Research in the Biological Sciences Presenting Biological Data Understanding Patterns in Biology and Improving Study Techniques and Reading and Writing to Understand Biology New to this edition of the Study Guide are Looking Forward and Looking Back sections that help students make connections across the chapters instead of viewing them as discrete entities *Study Guide for Biological Science* Scott Freeman,Kim Quillin,Lizabeth Allison,Greg Podgorski,Michael Black,Emily Taylor,Warren Burggren,Jeff Carmichael,2016-05-02 The Study Guide presents a breakdown of key biological concepts difficult topics and quizzes to help students prepare for exams Unique to this study guide are four introductory stand alone chapters that introduce students to foundational ideas and skills necessary for classroom success Introduction to Experimentation and Research in the Biological Sciences Presenting Biological Data Understanding Patterns in Biology and Improving Study Techniques and Reading and Writing to Understand Biology Looking Forward and Looking Back sections help students make connections across the chapters instead of viewing them as discrete entities **Study Guide for Biological Science** Clarence L. Schloemer,Michigan State College. Basic College. Dept. of Biological Science,1949 **Study Guide [for] Biological Science, 3rd Ed** ,2008 **Study guide in biological science** Angelo B. Jabilles,Martines N. Illahi,Judith N. Tormes, **Study Guide [for] Biological Science, Sixth Edition, Scott Freeman** Brian Bagatto,Jay Brewster,Laurel Hester,2017 Study Guide for Biological Science, Second Canadian Edition Scott Freeman,Joan C. Sharp,Michael Harrington,2013-08-14 **Student Study Guide for Biological Science** Jean P. Milani,Biological Sciences Curriculum Study,1991-01-01 *Biological Science: a Molecular Approach: Study guide* Biological Sciences Curriculum Study,1996 Biological Science: The cell, genetics, and development Scott Freeman,2005 **Biological Science, a Molecular Approach** ,1990 **Biological Science** Richard R. Tolman,Jean P. Milani,Don E. Meyer,Biological Sciences Curriculum Study,1985 *Biological Science* ,2014 **Study Guide for Biological Science, Third Canadian Edition** Scott Freeman,Kim Quillin,Lizabeth Allison,Michael Black,Greg Podgorski,Emily Taylor,Jeff Carmichael,Michael Harrington,Joan C. Sharp,2018-01-26 Study Guide [to] Biological Science, Second Edition, Scott Freeman Warren W. Burggren,Brian Bagatto,Jay Brewster,Scott Freeman,Laurel Hester,2005-06 Biological Science

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**Biological Science With Masteringbiology + Study Guide for Biological Science** Scott Freeman, 2008-03-10

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