

Name: _____

Biology, Period _____

Midterm Review for Biology - 520

Chapter #1 - The Science of Biology (19 terms)

1.1 What Is Science?

Describe the steps used in scientific method.

- Hypothesis – If...then...
- Identify independent variable versus dependent variable
- Identify controlled variables
- Identify control group versus experimental group

1.2 Science in Context

Explain what a scientific theory is.

1.3 Studying Life

Identify the 8 characteristics of living things.

Convert within the metric system (cm – m – km; mL – L, g – kg)

Chapter #2 -The Chemistry of Life (39 terms)

2.1 The Nature of Matter

Identify the three subatomic particles found in atoms, and their location.

- Proton
- Neutron
- Electron

Explain how all of the isotopes of an element are similar and how they are different.

Define compound.

Describe the two main types of chemical bonds.

- Ionic
- Covalent

2.2 Properties of Water

Draw a water molecule showing the positive and negative sides.

Discuss the unique properties of water.

- Hydrogen bonding
- Adhesion
- Cohesion

Differentiate between solutions and suspensions.

Explain what acidic solutions and basic solutions are.

- pH

2.3 - Carbon Compounds

Describe the unique qualities of carbon.

Biology Midterm Study Guide

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Biology Midterm Study Guide:

Unveiling the Magic of Words: A Review of "**Biology Midterm Study Guide**"

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Table of Contents **Biology Midterm Study Guide**

1. Understanding the eBook Biology Midterm Study Guide
 - The Rise of Digital Reading Biology Midterm Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Biology Midterm Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Biology Midterm Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Biology Midterm Study Guide
 - Personalized Recommendations
 - Biology Midterm Study Guide User Reviews and Ratings
 - Biology Midterm Study Guide and Bestseller Lists

5. Accessing Biology Midterm Study Guide Free and Paid eBooks
 - Biology Midterm Study Guide Public Domain eBooks
 - Biology Midterm Study Guide eBook Subscription Services
 - Biology Midterm Study Guide Budget-Friendly Options
6. Navigating Biology Midterm Study Guide eBook Formats
 - ePub, PDF, MOBI, and More
 - Biology Midterm Study Guide Compatibility with Devices
 - Biology Midterm Study Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Biology Midterm Study Guide
 - Highlighting and Note-Taking Biology Midterm Study Guide
 - Interactive Elements Biology Midterm Study Guide
8. Staying Engaged with Biology Midterm Study Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Biology Midterm Study Guide
9. Balancing eBooks and Physical Books Biology Midterm Study Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Biology Midterm Study Guide
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Biology Midterm Study Guide
 - Setting Reading Goals Biology Midterm Study Guide
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Biology Midterm Study Guide
 - Fact-Checking eBook Content of Biology Midterm Study Guide
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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