

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 Answers 2013

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Webb, Piers E. F. Daubeney**



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by Drs Michael A Gatzoulis Gary D Webb and Piers E F Daubeney offers essential guidance on the anatomical issues clinical
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Kumar, 2022-11-24 This edited book is a compilation of scholarly articles on the latest developments in the field of additive
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questions answers and practice tests in the field of biology Biology Mid-term Exam #1 , 1997 *Life Study Guide* David

E. Sadava, Gordon H. Orians, Craig Heller, William K. Purves, 2006-12-22 Especially helpful for AP Biology students each chapter of the study guide offers a variety of study and review tools The contents of each chapter are broken down into both a detailed review of the Important Concepts covered and a boiled down Big Picture snapshot The guide also covers study strategies common problem areas and provides a set of study questions both multiple choice and short answer *Student Study Guide for Biology [by] Campbell/Reece/Mitchell* Martha R. Taylor, 1999 **Study Guide Essential Biology with Physiology** Edward J. Zalisko, 2003-07 Students can master key concepts and earn a better grade with the thought provoking exercises found in this study guide Study advice tables quizzes and crossword puzzles help students test their understanding of biology The Study Guide also includes references to student media activities on the Essential Biology CD ROM and Website Study Guide Life Beck, 1991 *The Complete Idiot's Guide to College Biology* Emily Jane Willingham, Ph.D., 2010-06-01 Don't know much about biology The Complete Idiot's Guide to College Biology follows the curriculum of Biology 101 so closely that it serves as a perfect study guide and it's also great for AP Biology and SAT Subject Biology exams that high school students are taking in droves Students can turn to it when their textbooks are unclear or as an additional aid throughout the semester The number of high school students who took AP Biology in 2008 increased 7 percent over the previous year more than 154 000 College biology doesn't just lead to medical dental or veterinary school biotechnology and biochemical jobs remain hot in today's job market Follows in the footsteps of The Complete Idiot's Guides as a terrific supplementary reading for AP Biology though it follows the curriculum of the college Intro to Biology course **Student Study Guide for Campbell's Biology Second Edition** Martha R. Taylor, 1990 **Modern Biology** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 1998-01-01 The Praxis Series Official Practice Test: Biology: Content Knowledge McGraw-Hill Professional Publishing, 2006-11-16 Authentic practice test from the people who make the Biology Content Knowledge test Multiple Choice Questions: Cell Biology E Staff, Learn and review on the go Use Quick Review Anatomy Physiology Study Notes to help you learn or brush up on the subject quickly You can use the review notes as a reference to understand the subject better and improve your grades Easy to remember facts to help you perform better Use typical multiple choice questions to quickly solidify your knowledge Perfect study notes for all high school health sciences premed medical and nursing students **Study Guide: Sg Concepts in Biology** Eldon D.. Enger, Enger, Frederick C.. Ross, 2003 Modern Biology, 2002 *Biology Pamphlet Master*, 2014-07-15 This Biology study guide is created by Pamphlet Master for students everywhere This tool has a comprehensive variety of college and graduate school topics subjects which can give you what it takes to achieve success not only in school but beyond Included in the pamphlet are Introduction to the Cell Cell Membranes Cell Differences Biology Terms Introduction to Intracellular Components The Cytoskeleton and Cytosol Cell Respiration TERMS Cell Respiration Introduction Glycolysis Glycolysis TERMS **The Study of Biology, Third Edition** Jeffrey J. W. Baker, P.S. Associates, Garland E. Allen, 1977 Mega Biology (016) Secrets Study

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