



Chapter 2: Chemistry Comes Alive

*• Please review and be familiar with the following information in Chapter 2.
It is a brief overview of the chemistry that you should have learned in Biology I. •*

PART 1 BASIC CHEMISTRY

2.1 Matter is the stuff of the universe and energy moves matter

• Matter

- define **matter**:
- list the three states of matter and give examples of each found in the human body:

• Energy

- define **energy**:
- name and define the two forms in which energy exists:
- list (and read about!) the four forms of energy:
- during energy conversions, some energy is given off as heat
- so, what do all energy conversions in the body liberate?

2.2 The properties of an element depend on the structure of its atoms

• define **elements**:

- list the four elements that make up about 96% of body weight:

*• Know the **name and atomic symbol** of the major and lesser chemical elements shown in Table 2.1 on page 26!*

• define **atoms**:

• Structure of Atoms

indicate whether the following subatomic particles are positive, negative, or neutral:

- protons:
- neutrons:
- electrons:

Two Study Guide Chemistry Comes Alive Answers

Disha Experts



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Hazmat Chemistry Study Guide (Second Edition) Jill Meryl Levy, 2011

SCM Studyguide to Science and Religion Jean Dorricott, 2005 This undergraduate level one textbook provides an introduction to the apparently incompatible subjects of religion and science Each chapter contains references for finding out more about particular arguments be they scientific or religious areas for discussion Where particularly difficult concepts are referred to in the body of the text further explanations are provided in boxed sections

Study Guide George Karleskint, 1991

College Biology II James Hall Zimmerman, 1963

Student Guide For Living Chemistry Barbara Ucko, 2012-12-02 Student Guide for Living Chemistry is a 23 chapter textbook guide that allows students to study and review on their own and test their understanding to help them prepare for examinations Every chapter begins with a list of objectives stating exactly the skills to develop in a particular unit Each objective corresponds to a section in the textbook Living Chemistry Three kinds of questions are provided for each objective to check the student's understanding namely short answer Study Questions multiple choice and fill in The answers for all questions are provided at the end of the chapter The opening chapters cover the SI units composition of matter chemical bonding compounds chemical change gases respiration and water The subsequent chapters deal with solutions acids bases salts nuclear and organic chemistry oxygen derivatives and hydrocarbons polymers and other organic derivatives This textbook also explores the chemistry of carbohydrates lipids proteins enzymes and energy and carbohydrate metabolism The remaining chapters discuss the chemistry of vitamins hormones body fluid drugs and poisons Undergraduate chemistry

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