

## Chapter 4 Atomic Structure

**Section 4.2 The Structure of an Atom****(pages 108–112)**

*This section compares the properties of three subatomic particles. It also discusses atomic numbers, mass numbers, and isotopes.*

**Reading Strategy (page 108)**

**Monitoring Your Understanding** Before you read, list in the table shown what you know about atoms and what you would like to learn. After you read, list what you have learned. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

What I Know About Atoms	What I Would Like to Learn	What I Have Learned
Most students will know that atoms are the “building blocks” of matter, and some may know that atoms contain subatomic particles.	Based on the title of the section, students may say that they want to learn more about the structure of atoms.	

**Properties of Subatomic Particles (pages 108–109)**

- What are three subatomic particles?  
a. Protons      b. Electrons      c. Neutrons
- Circle the letter that identifies a subatomic particle with a positive charge.  
a. nucleus      **(b)** proton  
c. neutron      d. electron
- Why did Chadwick conclude that the particles produced by his experiment were neutral in charge? A charged object did not deflect the paths of the particles.  
\_\_\_\_\_  
\_\_\_\_\_

**Comparing Subatomic Particles (pages 109–110)**

- Circle the letters of properties that vary among subatomic particles.  
a. color      **(b)** mass  
**(c)** charge      **(d)** location in the atom
- Circle the letter of the expression that accurately compares the masses of neutrons and protons.  
**(a)** mass of 1 neutron = mass of 1 proton  
b. mass of 2000 neutrons = mass of 1 proton  
c. mass of 1 electron = mass of 1 proton  
d. mass of 1 neutron = mass of 1 electron

# Section Structure Of The Atom Answer

**Victor M. Corman**



## Section Structure Of The Atom Answer:

**AP Chemistry For Dummies** Peter J. Mikulecky, Michelle Rose Gilman, Kate Brutlag, 2008-11-13 A practical and hands on guide for learning the practical science of AP chemistry and preparing for the AP chem exam Gearing up for the AP Chemistry exam AP Chemistry For Dummies is packed with all the resources and help you need to do your very best Focused on the chemistry concepts and problems the College Board wants you to know this AP Chemistry study guide gives you winning test taking tips multiple choice strategies and topic guidelines as well as great advice on optimizing your study time and hitting the top of your game on test day This user friendly guide helps you prepare without perspiration by developing a pre test plan organizing your study time and getting the most out of your AP course You ll get help understanding atomic structure and bonding grasping atomic geometry understanding how colliding particles produce states and so much more To provide students with hands on experience AP chemistry courses include extensive labwork as part of the standard curriculum This is why the book dedicates a chapter to providing a brief review of common laboratory equipment and techniques and another to a complete survey of recommended AP chemistry experiments Two full length practice exams help you build your confidence get comfortable with test formats identify your strengths and weaknesses and focus your studies You ll discover how to Create and follow a pretest plan Understand everything you must know about the exam Develop a multiple choice strategy Figure out displacement combustion and acid base reactions Get familiar with stoichiometry Describe patterns and predict properties Get a handle on organic chemistry nomenclature Know your way around laboratory concepts tasks equipment and safety Analyze laboratory data Use practice exams to maximize your score Additionally you ll have a chance to brush up on the math skills that will help you on the exam learn the critical types of chemistry problems and become familiar with the annoying exceptions to chemistry rules Get your own copy of AP Chemistry For Dummies to build your confidence and test taking know how so you can ace that exam [O Level Chemistry Questions and Answers PDF](#) Arshad Iqbal, The O Level Chemistry Quiz Questions and Answers PDF IGCSE GCSE Chemistry Competitive Exam Questions Chapter 1 14 Practice Tests Class 9 10 Chemistry Textbook Questions for Beginners includes revision guide for problem solving with hundreds of solved questions O Level Chemistry Questions and Answers PDF book covers basic concepts analytical and practical assessment tests O Level Chemistry Quiz PDF book helps to practice test questions from exam prep notes The O Level Chemistry Quiz Questions and Answers PDF eBook includes revision guide with verbal quantitative and analytical past papers solved tests O Level Chemistry Questions and Answers PDF Free download chapter 1 a book covers solved common questions and answers on chapters Acids and bases chemical bonding and structure chemical formulae and equations electricity electricity and chemicals elements compounds mixtures energy from chemicals experimental chemistry methods of purification particles of matter redox reactions salts and identification of ions and gases speed of reaction and structure of atom tests for school and college revision guide Chemistry Interview Questions and Answers PDF Download free

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