

Section 6-1

Concept Review

Section: Simple Ions

Complete each statement below by choosing a term from the following list. Terms may be used more than once.

10

11

ion

octet

12

13

anion

cation

1. An atom or group of atoms that has a positive or negative electric charge because it has lost or gained electrons is a(n) ion.
2. The sodium ion has 11 protons, 10 neutrons, and 12 electrons.
3. In most chemical reactions, atoms tend to match the outer electron configuration of the noble gases. This is called the octet rule.

Complete each statement below by writing the correct term or phrase.

4. An anion is an ion with a negative charge.
5. Valence electrons occupy the outermost energy level of an atom.
6. The chloride ion and the chlorine atom have different electron configurations.
7. A cation is an ion with a positive charge.
8. Many stable ions have an electron configuration of a octet.

Answer the following questions in the space provided.

9. How do the outer-shell electron configurations for ions of Group 1, Group 2, and Group 15, Group 16, and Group 17 elements compare with those of the noble gases?

noble gases are stable while everything
else is missing some

Concept Review Section Simple Ions

David M. Hillis



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Concepts in Biology' 2007 Ed.2007 Edition , **Holt Chemistry** Ralph Thomas Myers,2004 *Holt Chemistry* Holt Rinehart & Winston,2003-01-24 *Structure & Function of the Body - E-Book* Kevin T. Patton,Gary A. Thibodeau,2019-09-28 Get a solid understanding of the human body Using simple conversational language and vivid animations and illustrations Structure Function of the Body 16th Edition introduces the normal structure and function of the human body and what the body does to maintain homeostasis To help make difficult A P concepts easy to understand this new edition features thoroughly revised content and review questions which reflect the most current information available and a unique 22 page semi transparent insert of the human body Plus Connect It boxes throughout directly correlate to online content giving you additional clinical and scientific insights essential to patient care 22 page Clear View of the Human Body is a unique full color semi transparent insert depicting the human body male and female in layers Conversational and clear writing style makes content easy to read and understand Full color design contains more than 400 drawings and photos Updated study tips sections at the beginning of each chapter help break down difficult topics and guide you on how to best use book features to their advantage Questions for student review are found throughout the chapters and cover critical thinking open ended fill in the blank matching multiple choice and other question formats Special boxes such as Health and Well Being boxes Clinical Application boxes Research and Trends boxes and more help you apply what you have learned to your future career Language of Science and Medicine section in each chapter includes key terms word parts and pronunciations to place a greater focus on medical terminology Resources on the Evolve companion website include Animation Direct audio summaries audio glossary a new online coloring book review questions and FAQs NEW Thoroughly revised chapters illustrations and review questions reflect the most current information available NEW Connect It boxes refer you to online content providing additional clinical and scientific insights NEW A P contributors join Dr Patton to enhance the content and bring additional perspectives to the book *Principles of Life* David M. Hillis,2012 For sample chapters a video interview with David Hillis and more information visit www.whfreeman.com/hillispreview Sinauer Associates and W H Freeman are proud to introduce *Principles of Life* Written in the spirit of the reform movement that is reinvigorating the introductory majors course *Principles of Life* cuts through the thicket of excessive detail and factual minutiae to focus on what matters most in the study of biology today Students explore the most essential biological ideas and information in the context of the field s defining experiments and are actively engaged in analyzing research data The result is a textbook that is hundreds of pages shorter and significantly less expensive than the current majors introductory books *Nuclear Science Abstracts* ,1975

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Press Review, Second Section, General Staff, General Headquarters, American Expeditionary Forces United States. Army. A.E.F., 1917-1919. General staff, G-2, 1918

Columbia Law Review, 1922 *Annual Review of Physical Chemistry* Gerhard Krohn Rollefson, 1968 Provides abstracts and review articles on topics in physical chemistry *Journal of Educational Modules for Materials Science and Engineering* Charles Allen Wert, Rustum Roy, 1979 **Laboratory Manual for Hole's Human Anatomy and Physiology** PHILLIP. MARTIN SNIDER (TERRY.), 2021 *The Philosophical Review* Jacob Gould Schurman, James Edwin Creighton, Frank Thilly, Gustavus Watts Cunningham, 1899 An international journal of general philosophy *Concepts in Biology* Eldon Enger, Frederick Ross, David Bailey, 2008-01-16 Enger Ross Bailey Concepts in Biology is a relatively brief

introductory general biology text written for students with no previous science background The authors strive to use the most accessible vocabulary and writing style possible while still maintaining scientific accuracy The text covers all the main areas of study in biology from cells through ecosystems Evolution and ecology coverage are combined in Part Four to emphasize the relationship between these two main subject areas The new 13th edition is the latest and most exciting revision of a respected introductory biology text written by authors who know how to reach students through engaging writing interesting issues and applications and accessible level Instructors will appreciate the book s scientific accuracy complete coverage and extensive supplement package *Ionic Reactions and Equilibria* Omer Robbins,1967 Fusion Energy Update ,1981 Chemical Interactions ,2005 *Introductory Chemistry for Today* Spencer L. Seager,Michael R. Slabaugh,2004 Distinguished by its superior allied health focus and integration of technology Seager and Slabaugh s INTRODUCTORY CHEMISTRY FOR TODAY Fifth Edition continues to lead the market on both fronts through numerous allied health related applications examples boxes and a new Companion Web Site GOB ChemistryNow tm In addition to the many resources found in GOB ChemistryNow this powerful new Web site contains questions modeled after the Nursing School and Allied Health Entrance Exams and NCLEX LPN Certification Exams The authors strive to dispel users inherent fear of chemistry and to instill an appreciation for the role chemistry plays in our daily lives through a rich pedagogical structure and an accessible writing style that provides lucid explanations In addition Seager and Slabaugh s CHEMISTRY FOR TODAY Fifth Edition provides greater support in both problem solving and critical thinking skills By demonstrating how this information will be important to a reader s future career and providing important career information online the authors not only help readers to set goals but also to focus on achieving them Journal of the Society of Chemical Industry Society of Chemical Industry (Great Britain),1926 **Reviews on Silicon, Germanium, Tin, and Lead Compounds** ,1984

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