

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 5 Review Section Simple Ions Answers

Holt Rinehart & Winston



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Holt Chemistry Holt Rinehart & Winston, 2003-01-24 **Glencoe Science** McGraw-Hill Staff, 2001-08 **The School Science Review** , 2002 **Otto E. Miller, Plaintiff-Respondent, Against Fred W. Smythe, Defendant-Appellant** , *Prentice Hall Chemistry* , 2000

Chemistry John S. Phillips, Cheryl Wistrom, 2000 *The Human Body: Concepts of Anatomy and Physiology* Bruce Wingerd, Patty Bostwick Taylor, 2020-04-06 The new edition of Bruce Wingerd s *The Human Body Concepts of Anatomy and Physiology* helps encourage learning through concept building and is truly written with the student in mind Learning Concepts divide each chapter into easily absorbed subunits of information making learning more achievable Since students in a one semester course may have little experience with biological and chemical concepts giving them tools such as concept statements concept check questions and a concept block study sheet at the end of each chapter help them relate complex ideas to simple everyday events The book also has a companion Student Notebook and Study Guide available separately that reinvents the traditional study guide by giving students a tool to help grasp information in class and then reinforce learning outside of class

British Abstracts , 1926 **British Chemical Abstracts** , 1926 **Fertilizer Review** , 1929
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