

10.1 Periodic Trends



PERIODIC TRENDS: FROM CONCEPT TO APPLICATION

Section 10.1 continued

In your notebook, read aloud the modern periodic table.

Copy the information in the box on the left below from the periodic table to complete the table on the right.

Atomic Mass	_____
Atomic Number	_____
Electron Configuration	_____
Chemical Name	_____
Chemical Symbol	_____

Put each item in Column A, either the letter of the matching item in Column B.

Column A

- _____ 18. It varies on the periodic table.
- _____ 19. It does not lie periodic table.
- _____ 20. Group 1 elements.
- _____ 21. Elements that are strong oxidizing agents.
- _____ 22. Group 8 elements.

Column B

- a. metals
- b. group
- c. period
- d. representative elements
- e. transition elements

In the space on the left, write each of the statements in terms of the statement in bold; change the underlined word or phrase to make it true.

- _____ 23. There are two representative elements of elements.
- _____ 24. Most of the elements of the periodic table are metals.
- _____ 25. Group 1A elements except for hydrogen are metals on the left.
- _____ 26. Group 2A elements are the alkaline earth metals.
- _____ 27. Group 7A elements are highly reactive nonmetals known as halogens.
- _____ 28. Group 8A elements are inert nonmetallic elements known as noble gases.
- _____ 29. Elements from groups of both metals and nonmetals.

Chemistry Content Mastery Study Guide Key

Will Marchment



Chemistry Content Mastery Study Guide Key:

Study Guide to Accompany Basics for Chemistry Martha Mackin, 2012-12-02 Study Guide to Accompany Basics for Chemistry is an 18 chapter text designed to be used with Basics for Chemistry textbook Each chapter contains Overview Topical Outline Skills and Common Mistakes which are all keyed to the textbook for easy cross reference The Overview section summarizes the content of the chapter and includes a comprehensive listing of terms a summary of general concepts and a list of numerical exercises while the Topical Outline provides the subtopic heads that carry the corresponding chapter and section numbers as they appear in the textbook The Fill in Multiple Choice are two sets of questions that include every concept and numerical exercise introduced in the chapter and the Skills section provides developed exercises to apply the new concepts in the chapter to particular examples The Common Mistakes section is designed to help avoid some of the errors that students make in their effort to learn chemistry while the Practical Test section includes matching and multiple choice questions that comprehensively cover almost every concept and numerical problem in the chapter After briefly dealing with an overview of chemistry this book goes on exploring the concept of matter energy measurement problem solving atom periodic table and chemical bonding These topics are followed by discussions on writing names and formulas of compounds chemical formulas and the mole chemical reactions calculations based on equations gases and the properties of a liquid The remaining chapters examine the solutions acids bases salts oxidation reduction reactions electrochemistry chemical kinetics and equilibrium and nuclear organic and biological chemistry This study guide will be of great value to chemistry teachers and students

Analytical Chemistry Juliette Lantz, Renée Cole, The POGIL Project, 2014-12-31 An essential guide to inquiry approach instrumental analysis Analytical Chemistry offers an essential guide to inquiry approach instrumental analysis collection The book focuses on more in depth coverage and information about an inquiry approach This authoritative guide reviews the basic principles and techniques Topics covered include method of standard the microscopic view of electrochemistry calculating cell potentials the BerriLambert atomic and molecular absorption processes vibrational modes mass spectra interpretation and much more

Excel Science Study Guide, Years 9-10 Will Marchment, 2004 The book contains coverage of five major topic areas in the NSW School Certificate test Energy Force and Motion Atoms Elements and Compounds Structure and Function of Living Things Earth and Space Ecosystems Resources and Technology a chapter on Investigations and Problem Solving in Science to help with practical skills revision questions and chapter tests to help you remember important information a glossary and summary in each section of the book diagrams and illustrations to help your understanding a section to help you prepare for the School Certificate test a sample School Certificate test paper with answers answers to all questions

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Study Guide with Selected Solutions Karen Timberlake, 2002-08-06 Written by the author the Study Guide is

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