

PERIODIC PROPERTIES LAB

Objective: To determine the relationship between the reactivity of elements and their location on the Periodic Table.

Procedure:

Part I: Halogens

1. Put 5mL of NaCl into a test tube.
2. Add HNO₃ to the test tube one drop. After each drop test to see if the solution turns the blue litmus paper pink. (Test this by dipping the stirring rod into the test tube and then touching it to the litmus paper).
3. After the blue litmus paper turns pink, add 5 more drops of HNO₃.
4. Add 5mL of AgNO₃ to the test tube. Record observations.
5. Repeat steps 1-4 for NaBr, NaI and the unknown halogen in CLEAN test tubes.

Part II: Alkaline Earth Metal Salts

1. Put 1mL of each into their own test tubes: Mg(NO₃)₂, Ca(NO₃)₂, Sr(NO₃)₂, and Ba(NO₃)₂.
2. Add 1mL of 1M H₂SO₄ to each test tube. Record observations.
3. Rinse test tubes and refill with the original solutions.
4. Add 5mL of 1M Na₂CO₃ to each. Record observations.
5. Rinse, refill, and add 5mL of 0.25M (NH₄)₂C₂O₄ to each. Record observations.
6. Repeat with unknown alkaline earth metal salt.

Part I: Data:

Halide	Observations
NaCl	
NaBr	
NaI	
Unknown	

Periodic Properties Lab Answer

Robert J. Artz



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SAT Subject Test Chemistry Joseph A. Mascetta, Mark Kernion, 2020-12-01 The updated edition of Barron's SAT Subject Test Chemistry includes A full length diagnostic test with explained answers Four practice tests that reflect the actual SAT Subject Test Chemistry All questions answered and explained Detailed reviews covering all test topics Appendixes which include the Periodic Table important equation constant and data tables and a glossary of chemistry terms Both teachers and test taking students have praised earlier editions of this manual for its wealth of well organized detail Subject reviewed include the basics matter energy scientific method and measurements atomic structure and the periodic table bonding chemical formulas gases and laws stoichiometry liquids solids and phase changes chemical reactions and thermochemistry chemical reactions chemical equilibrium acids bases and salts oxidation reduction carbon and organic chemistry and the laboratory ONLINE PRACTICE TESTS Students who purchase this book or package will also get access to two additional full length online SAT Chemistry subject tests with all questions answered and explained

Cooperative Chemistry Lab Manual Cooper, 2005-02 The laboratory course described in the lab manual emphasizes experimental design data analysis and problem solving Inherent in the design is the emphasis on communication skills both written and oral Students work in groups on open ended projects in which they are given an initial scenario and then asked to investigate a problem There are no formalized instructions and students must plan and carry out their own investigations

Lab Manual to Accompany Introduction to Chemistry William L. Masterton, Stanley M. Cherim, 1984-02

AP Chemistry Albert S. Tarendash, Frederick J. Rowe, 2002 This indispensable guide to chemistry helps students who wish to prepare for the AP Chemistry exam on their own Comprehensive and easy to understand this learning guide includes a full content review two full length practice tests with hundreds of practice questions and thorough answer explanations and proven test taking strategies

Exploring General, Organic, & Biochemistry in the Laboratory William G. O'Neal, 2017-02-01 This full color comprehensive affordable manual is appropriate for two semester introductory chemistry courses It is loaded with clearly written exercises critical thinking questions and full color illustrations and photographs providing ample visual support for experiment set up technique and results

Scientific and Technical Aerospace Reports, 1995

Chemistry: The Easy Way Joseph A. Mascetta, Mark Kernion, 2019-08-06 A self teaching guide for students Chemistry The Easy Way provides easy to follow lessons with comprehensive review and practice This edition features a brand new design and new content structure with illustrations and practice questions An essential resource for High school and college courses Virtual learning Learning pods Homeschooling Chemistry The Easy Way covers Atomic Structure Chemical Formulas Electrochemistry The Basics of Organic Chemistry And more

Contemporary Chemistry Leonard Saland, 1993 This comprehensive guide gives you lesson plans activities and tests for two sequential semester long chemistry courses It is designed to work with our student book Contemporary Chemistry Each lesson plan features a DO NOW section to engage students as soon as they get to class

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