

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 Key

S Ashworth



Periodic Properties Lab Answer Key:

Hands-On General Science Activities With Real-Life Applications Pam Walker, Elaine Wood, 2008-04-21 In this second edition of Hands On General Science Activities with Real Life Applications Pam Walker and Elaine Wood have completely revised and updated their must have resource for science teachers of grades 5 12 The book offers a dynamic collection of classroom ready lessons projects and lab activities that encourage students to integrate basic science concepts and skills into everyday life Handbook of Formative Assessment Heidi Andrade, Gregory J. Cizek, 2010-04-02 The Handbook of Formative Assessment comprehensively profiles this burgeoning field of study Written by leading international scholars and practitioners each chapter discusses key issues in formative assessment policy and practice **Science Spectrum** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2003-03 **Merrill Chemistry** Robert C. Smoot, Smoot, Richard G. Smith, Jack Price, 1998 *Chemistry and Society* Michael E Green, 2019 *Keywords Index to U.S. Government Technical Reports* United States. Dept. of Commerce. Office of Technical Services, 1963 **Addison-Wesley Chemistry Laboratory Manual** Dennis D. Staley, 1995 Building Soil: A Down-to-Earth Approach Elizabeth Murphy, 2015-02-15 A down to earth complete manual for achieving great gardening results with your own rich organic soil All the secrets to rich sustainable soil are revealed to you You ll be amazed how easy it is to improve your garden or yard when you begin at ground level Even experienced gardeners can be intimidated by soil It isn t just the soil testing data and all the big words like vermicompositing and mycorrhizal fungi It s also the fact that when you begin to work with the soil you re working with the very earth you grow in you don t want to make any mistakes But with Building Soil as your guide you can achieve your goal of rich sustainable soil without the fear Building Soil A Down to Earth Approach is rich with practical up to date information on how to grow and maintain healthy soils Simple methods perfect for the home gardener s use put healthy organic soil within everyone s reach Because it s written in plain language you don t need a degree in soil management to understand this book you only need a yard or garden and the desire to improve it at the most basic level By following author Elizabeth Murphy s detailed instructions you can become a successful soil based gardener whether you want to start a garden from scratch or improve an existing plot Less weeding labor Less water waste 100% natural Mineral Facts and Problems , 1956

Twenty-Third Symposium on Naval Hydrodynamics National Research Council, Division on Engineering and Physical Sciences, Naval Studies Board, Bassin d'Essais des Carènes, Office of Naval Research, 2002-01-01 Vive la Revolution was the theme of the Twenty Third Symposium on Naval Hydrodynamics held in Val de Reuil France from September 17 22 2000 as more than 140 experts in ship design construction and operation came together to exchange naval research developments The forum encouraged both formal and informal discussion of presented papers and the occasion provides an opportunity for direct communication between international peers This book includes sixty three papers presented at the symposium which was organized jointly by the Office of Naval Research the National Research Council Naval Studies Board and the Bassin d

Essais des Car nes This book includes the ten topical areas discussed at the symposium wave induced motions and loads hydrodynamics in ship design propulsor hydrodynamics and hydroacoustics CFD validation viscous ship hydrodynamics cavitation and bubbly flow wave hydrodynamics wake dynamics shallow water hydrodynamics and fluid dynamics in the naval context **Artificial Intelligence Applications to Traffic Engineering** Maurizio Bielli, Giorgio Ambrosino, Marco Boero, 1994-05

In recent years the applications of advanced information technologies in the field of transportation have affected both road infrastructures and vehicle technologies The development of advanced transport telematics systems and the implementation of a new generation of technological options in the transport environment have had a significant impact on improved traffic management efficiency and safety This volume contains contributions from scientific and academic centres which have been active in this field of research and provides an overview of applications of AI technology in the field of traffic control and management The topics covered are current status of AI in transport AI applications in traffic engineering in vehicle AI

Some Observations of Surface Pressures and the Near Wake of a Blunt Trailing Edge Airfoil R. V. Digumarthi, 1981 Bulletin of the Atomic Scientists , 1992-12 The Bulletin of the Atomic Scientists is the premier public resource on scientific and technological developments that impact global security Founded by Manhattan Project Scientists the Bulletin s iconic Doomsday Clock stimulates solutions for a safer world

Mineral Facts and Problems United States. Bureau of Mines, 1956 **E3 Chemistry Guided Study Book - 2018 Home Edition (Answer Key Included)** Effiong Eyo, 2017-12-08

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