

Alien Periodic Table



Introduction

Imagine that inhabitants of another planet send a message to Earth that contains information about 30 elements. However, the message contains different names and symbols for these elements than those used on Earth. Which elements on the periodic table do these "alien" names represent?

Objective:

To draw conclusions about the Earth names of the alien elements based on atomic number.
To classify elements based on their properties.
To infer the position of the elements on the periodic table.

Materials

- periodic table for reference

Procedure

- Listed below are data on the chemical and physical properties of the 30 elements. Use the clues to determine which Earth elements correspond to the "alien" ones. Place the elements in their proper position in the blank periodic table (three are given in case of mistakes – **Only the bottom will be graded – make sure it is neat and fully complete!!!**).
 - The noble gases are bombal (Bo), wobble (Wo), jeptum (J), and logon (L). Among these gases, wobble has the greatest atomic mass and bombal the least. Logon is lighter than jeptum.
 - The most reactive group of metals are xtalt (X), byyou (By), chow (Ch), and quackzil (Q). Of these metals, chow has the lowest atomic mass. Quackzil is in the same period as wobble.
 - Apstrom (A), vulcania (V), and kratt (Kt) are nonmetals whose atoms typically gain or share one electron. Vulcania is in the same period as quackzil and wobble.
 - The metalloids are ernst (E), highho (Hi), terriblum (T), and sississ (Ss). Sississ is the metalloid with the greatest atomic mass. Ernst is the metalloid with the lowest atomic mass. Highho and terriblum are in Group 14. Terriblum has more protons than highho. Yazzer (Yz) touches the zigzag line, but it's a metal, not a metalloid.
 - The lightest element of all is called pfsst (Pf). The heaviest element in the group of 30 elements is eldorado (El). The most chemically active nonmetal is apstrom. Kratt reacts with byyou to form table salt.

Alien Periodic Table Answer Key Lab

Jicheng Xie



Alien Periodic Table Answer Key Lab:

Onscreen Chemistry John O'Donoghue, 2025-02-12 Lights Camera Reaction How do real world discoveries affect what we see on screen What impact does the world of film have on how we view chemistry Are chemists the villains or the heroes From Transylvania and Chernobyl to generic geniuses and meth makers explore the fascinating world of the big and small screen through a chemist's eye as cinema and television are passed under the microscope From the earliest silent films through to modern multi episode television discover the real life chemistry that inspired your favourite shows Learn how depictions of chemists have changed through the years Are chemists always pictured as relentless in their quest are the dangers and risks accurately represented and did the image of chemistry teachers change after the portrayal of a teacher turned illicit drug supplier Uncover the facts and fiction around these questions and many more with Onscreen Chemistry

TUSKEGEE AIRMEN NARAYAN CHANGDER, 2024-02-03 Note Anyone can request the PDF version of this practice set workbook by emailing me at cbsenet4u gmail com I will send you a PDF version of this workbook This book has been designed for candidates preparing for various competitive examinations It contains many objective questions specifically designed for different exams Answer keys are provided at the end of each page It will undoubtedly serve as the best preparation material for aspirants This book is an engaging quiz eBook for all and offers something for everyone This book will satisfy the curiosity of most students while also challenging their trivia skills and introducing them to new information Use this invaluable book to test your subject matter expertise Multiple choice exams are a common assessment method that all prospective candidates must be familiar with in today's academic environment Although the majority of students are accustomed to this MCQ format many are not well versed in it To achieve success in MCQ tests quizzes and trivia challenges one requires test taking techniques and skills in addition to subject knowledge It also provides you with the skills and information you need to achieve a good score in challenging tests or competitive examinations Whether you have studied the subject on your own read for pleasure or completed coursework it will assess your knowledge and prepare you for competitive exams quizzes trivia and more

Project Hail Mary Andy Weir, 2021-05-04 THE SUNDAY TIMES BESTSELLING NOVEL A BARACK OBAMA READING PICK SOON TO BE A MAJOR MOTION PICTURE STARRING RYAN GOSLING A lone astronaut An impossible mission An ally he never imagined The most enjoyable hard SF I have read in years GUARDIAN Weir's finest work to date This is the one book I read last year that I am certain I can recommend to anyone no matter who and know they'll love it BRANDON SANDERSON If you like a lot of science in your science fiction Andy Weir is the writer for you This one has everything fans of old school SF like me love GEORGE R R MARTIN Brilliantly funny and enjoyable One of the most plausible science fiction books I've ever read TIM PEAKE astronaut _____ Ryland Grace is the sole survivor on a desperate last chance mission and if he fails humanity and the earth itself will perish Except that right now he doesn't know that He can't even remember his own name let alone the nature of his assignment or how to

complete it All he knows is that he s been asleep for a very very long time And he s just been awakened to find himself millions of miles from home with nothing but two corpses for company His crewmates dead his memories fuzzily returning Ryland realizes that an impossible task now confronts him Hurling through space on this tiny ship it s up to him to puzzle out an impossible scientific mystery and conquer an extinction level threat to our species And with the clock ticking down and the nearest human being light years away he s got to do it all alone Or does he An irresistible interstellar adventure as only Andy Weir could imagine it Project Hail Mary is a tale of discovery speculation and survival to rival The Martian while taking us to places it never dreamed of going _____ One of the most original compelling and fun voyages I ve ever taken ERNEST CLINE author of Ready Player One and Ready Player Two Undisputedly the best book I ve read in a very very long time Mark my words Project Hail Mary is destined to become a classic BLAKE CROUCH Andy Weir s brilliant Project Hail Mary is one of those stirring sci fi novels about every government on Earth banding together through science to save civilisation from collapse I loved it THE TIMES A suspenseful portrait of human ingenuity and resilience that builds to an unexpectedly moving ending A winner PUBLISHERS WEEKLY Weir returns with gusto his writing flows naturally and his characters and dialogue crackle with energy With this novel he takes his place as a genuine star in the mainstream SF world BOOKLIST

Stories of the Invisible Philip Ball,2001 What are things made of Everything is composed of small mollycules of itself and they are flying around in concentric circles and arcs and segments explains Sergeant Fottrell in Flann O Brien s The Dalkey Archive Philip Ball shows that the world of the molecule is indeed a dynamic place Using the chemistry of life as a springboard he provides a new perspective on modern chemical science as a whole Living cells are full of molecules in motion communication cooperation and competition Molecular scientists are now starting to capture the same dynamism in synthetic molecularsystems promising to reinvent chemistry as the central creative science of the new century

Mirror Talk Susanna Egan,1999 A study of directions in autobiography Traditional autobiography tends to originate in crisis but develops a resolution whereas contemporary autobiography deals with unresolved crisis The author examines works by a range of writers including Primo Levi Ernest Hemingway and Mary Meigs *Educational Resources for Microcomputers* ,1986

Human Physiology Dee Unglaub Silverthorn,2001 The unique integrated approach in Human Physiology An Integrated Approach Second Edition helps readers see the big picture Silverthorn s problem solving focus develops readers skills by helping them connect facts and concepts and apply them to real world situations Readers receive a more meaningful and longer lasting knowledge of physiology as they participate in Silverthorn s active learning approach

Forthcoming Books Rose Arny,2003 [Archives of Pathology & Laboratory Medicine](#) ,1989-07

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

Alien Periodic Table Answer Key Lab Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Alien Periodic Table Answer Key Lab**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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