

Periodic Table: Virtual Lab Document



Part 1:

Follow the instructions in the Periodic Table Virtual Lab Lesson to color the periodic table.

Click on the image below -> edit -> drop down arrow beside the line -> select tool -> change colors.

H																		He
Li	Be											B	C	N	O	F	Ne	
Na	Mg											Al	Si	P	S	Cl	Ar	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
Cs	Ba		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
Fr	Ra		Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub							
		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu		
		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr		

Part 2: Go to chemicalelements.com.

1. Click on Alkali Metals (left bar) to answer the following questions:

- What is the group number? [1]
- Are these metals reactive? [Yes, they are highly reactive]
- Do these metals occur freely in nature? [No, they don't occur freely in nature, but they are found in various minerals.]
- How many electrons are in their outer shell? [1]
- What are the three characteristics of ALL metals? [Shiny luster, good conductors of heat and electricity, malleable and ductile.]
- Are these metals soft or hard? [soft]
- Name the two most reactive elements in this group? [Potassium and Sodium]
- What happens when they are exposed to water? [They react vigorously with water, producing hydrogen gas and an alkaline solution. The reaction can be violent and can even ignite the hydrogen gas produced.]

Periodic Table Grouping Lab Answer Key

Clifford Lane



Periodic Table Grouping Lab Answer Key:

Labster Virtual Lab Experiments: Basic Biochemistry Aaron Gardner, Wilko Duprez, Sarah Stauffer, Dewi Ayu Kencana Ungu, Frederik Clauson-Kaas, 2019-04-01 This textbook helps you to prepare for your next exams and practical courses by combining theory with virtual lab simulations The Labster Virtual Lab Experiments series gives you a unique opportunity to apply your newly acquired knowledge in a learning game that simulates exciting laboratory experiments Try out different techniques and work with machines that you otherwise wouldn't have access to In this book you'll learn the fundamental concepts of basic biochemistry focusing on Ionic and Covalent Bonds Introduction to Biological Macromolecules Carbohydrates Enzyme Kinetics In each chapter you'll be introduced to one virtual lab simulation and a true to life challenge Following a theory section you'll be able to play the relevant simulation that includes quiz questions to reinforce your understanding of the covered topics 3D animations will show you molecular processes not otherwise visible to the human eye If you have purchased a printed copy of this book you get free access to five simulations for the duration of six months If you're using the e-book version you can sign up and buy access to the simulations at www.labster.com springer If you like this book try out other topics in this series including Basic Biology Basic Genetics and Genetics of Human Diseases Please note that the simulations in the book are not virtual reality VR but 2D virtual experiments **BIS Exam PDF-Technical Assistant (Lab) Chemical eBook PDF** Chandresh Agrawal, nandini books, 2024-06-12 SGN The eBook BIS Technical Assistant Lab Chemical Covers Chemistry Subject Objective Questions From Various Exams With Answers *Subject Index to Unclassified ASTIA Documents* Defense Documentation Center (U.S.), 1960 **Inquiry: The Key to Exemplary Science** Robert Yager, 2009-06-17 Laboratory Manual for Principles of General Chemistry J. A. Beran, Mark Lassiter, 2022-08-16 Laboratory Manual for Principles of General Chemistry 11th Edition covers two semesters of a general chemistry laboratory program The material focuses on the lab experiences that reinforce the concepts that not all experimental conclusions are the same and depend on identifying an appropriate experimental procedure selecting the proper apparatus employing the proper techniques systematically analyzing and interpreting the data and minimizing inherent variables As a result of good data a scientific and analytical conclusion is made which may or may not be right but is certainly consistent with the data Experiments write textbooks textbooks don't write experiments A student's scientific literacy grows when experiences and observations associated with the scientific method are encountered Further experimentation provides additional cause effect observations leading to an even better understanding of the experiment The 11th edition's experiments are informative and challenging while offering a solid foundation for technique safety and experimental procedure The reporting and analysis of the data and the pre and post lab questions focus on the intuitiveness of the experiment The experiments may accompany any general chemistry textbook and are compiled at the beginning of each curricular unit An Additional Notes column is included in each experiment's Report Sheet to provide a space for recording observations and data during the experiment Continued

emphasis on handling data is supported by the Data Analysis section *Energy Research Abstracts* ,1992-03 **Scientific and Technical Aerospace Reports** ,1995 **Microsoft Word Simple Projects** Jan Rader,Jan Ray,2001-04 Projects for language arts social studies science and math Provided templates can be modified to meet specific needs Project samples also provided Activity report Brookhaven National Laboratory. National Synchrotron Light Source,2005 Government Reports Annual Index ,1975 Operations Research (unclassified Title) Defense Documentation Center (U.S.),1962

Lasers and Masers ,1966 **Prentice Hall Science Explorer** Michael J. Padilla,2002 **Lasers and Masers: a Continuing Bibliography** United States. National Aeronautics and Space Administration,1965 **Government Reports Announcements** ,1974 General, Organic, and Biological Chemistry Study Guide and Selected Solutions Karen C. Timberlake,2001-11 Keyed to the learning goals in the text this guide is designed to promote active learning through a variety of exercises with answers and mastery exams The guide also contains complete solutions to odd numbered problems

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