

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

DJ Losen



Periodic Table Grouping Lab Answer Key:

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Pharmaceutical Journal ,1902 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 **Energy Research Abstracts** ,1992-03

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