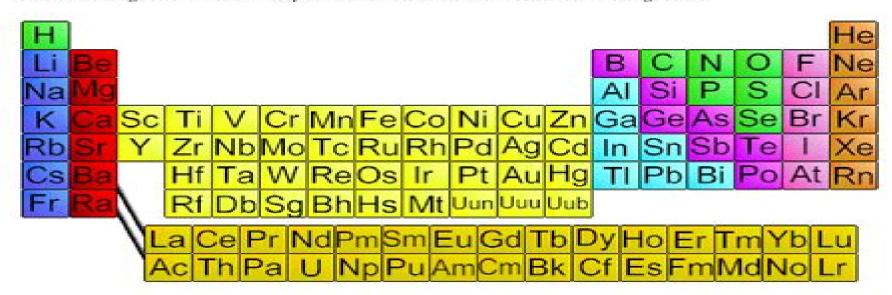


#### Part 1:

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.



#### Part 2: Go to chemicalelements com.

- 1. Click on Alkali Metals (left bar) to answer the following questions:
  - a. What is the group number? [ 1 ]
  - b. 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. ]
  - d. 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.
  - f. Are these metals soft or hard? [ soft ]
  - g. Name the two most reactive elements in this group? [ Potassium and Sodium ]
  - h. 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**

**Mark Steyvers** 

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