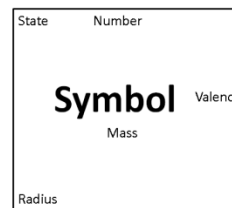


Predictable Patterns of the Periodic Table Project

- Complete the definitions at the lower left.
- Include the following inside each element square*¹:
 - The atomic symbol in the center.
 - The atomic number at the top center.
 - The average atomic mass just below the symbol (rounded to the nearest whole number).
 - The atomic radius*² in the lower-left corner (in picometers).
 - The number of valence electrons*² in the right center.
 - It's state of matter symbol*² in the upper left corner-
 - Solid: ■
 - Liquid: ♁
 - Gas: >>
- Label every part of Hydrogen's box so that it's now a key for the rest.
- Groups and Periods:
 - Number all the groups and periods.
 - For those groups that have a name, write it above the group number.
 - For the two separate rows at the bottom, write their names in front of them.
- If the element is radioactive, shade its border yellow.
- Metals, Metalloids, and Nonmetals:
 - Draw a heavy black line between the metals and nonmetals.
 - Lightly shade:
 - All metals blue
 - All metalloids green
 - All nonmetals red
 - In the bottom right, key the colors by shading in the corresponding square. Then list the main physical and chemical properties of each (no sentences).
- Indicate Periodic Table patterns and trends using labels and arrows:
 - Along the left side of the Periodic Table, draw and label an up/down arrow to indicate how **mass** increases and decreases as you move up & down the table.



(Rest removed from Preview)