

Periodic Table Coloring Activity

You will find the following pages in your textbook helpful: Pages 84 & 85

Be sure to make a color key as you go so your periodic table may be accurately read.

Have fun and make them pretty. Take your time.

1. State of Matter at Room Temperature (solid, liquid, or gas)

- There are two elements that are **liquid** at room temperature: Hg (80) and Br (35).

Using a blue marker outline those squares.

- 11 elements exist as **gases** at room temperature. Outline their squares using a marker of your color choice. H, He, N, O, F, Ne, Cl, Ar, Kr, Xe, Rn
- The remaining elements are solid at room temperature – leave those alone.

2. Metals vs. Nonmetals P. 84 & 85

- With a **dark** marker add the “stair step” pattern that starts under Boron and extends down to Po and At. This is the division line between metals and nonmetals. (P. 85)

3. Metalloids P. 85 (yellow blocks)

- Choose any color of a colored pencil or crayon and shade in the following elements: B, Si, Ge, As, Sb, Te, Po, and At. These elements are called metalloids and exhibit both metallic and nonmetallic properties.

4. Specific Families and Blocks (use pages 90- 94, and 104 to help)

- Using colored pencils or crayons color each of the following a different color:
 - ❖ Alkali Metals P. 90
 - ❖ Alkaline Earth Metals P. 91
 - ❖ Transition Metals P. 92
 - ❖ Metals in mixed groups P. 92
 - ❖ Lanthanides P. 92
 - ❖ Actinides P. 94
 - ❖ Noble Gases P. 104
 - ❖ The rest of the elements, which are nonmetals (don't forget about Hydrogen!)

*You should have 12 different colors (including marker) and items in your key