

Lab – Color – Coding the Periodic Table

(See pp. 123 – 126, 392 – 393, inside cover of text and large charts on the wall.)

You may change the color key if you wish, just make sure you put the color next to the number.

1. Color the **lower right** of all 11 gas elements red.
2. Color the **lower right** of both liquid elements dark green.
3. Color the **transition metals** a bright blue.
4. Color the **inner transition metals** a blue-green.
5. Color the **lower right** of the metalloids orange.
6. Color the **upper left** of each block of the Noble gases purple.
7. Color the **upper left** of each block of the Halogens yellow-green.
8. Color the **upper left** of the remaining non-metals light blue.
9. Color the **upper left** of each block of the Alkali Metals light brown.
10. Color the **upper left** of each block of the Alkaline Earth Metals yellow.
11. Color the **upper left** of each block of the post-transition (other) metals gray.



Summary Questions – See Chapter 5, pp. 123 – 126

1. Which Alkali Metal is radioactive? _____
2. Which Halogen is a liquid at room temperature? _____
3. Which transition metal is a liquid at room temperature? _____
4. What is the lightest element which is man-made and radioactive? _____
5. What is the name of the two series of elements in the inner transition metals? _____ Series and _____ Series
6. Which series of elements is mostly man-made? _____
7. How is Promethium different from the other Lanthanides? _____
8. Which element in Group 1A is not considered an Alkali Metal? _____
9. Which element is the only non-metal in Group 4A? _____
(Hint: It's the lightest solid non-metal)
10. Name the 3 gases which are neither noble gases nor halogens.

11. Name the only radioactive gas: _____
12. Name the element in Period 3, Group 7A: _____
13. The Russian chemist who devised the first Periodic Table in 1869 was _____.
14. The elements on the modern periodic table are arranged according to atomic _____.
15. How many elements are in period 1? _____ Period 2? _____
Period 4? _____ Period 6? _____
16. Which elements are the representative elements? _____