Getting to Know the Periodic Table

Learning Target: I can use the periodic table to identify and classify elements and table to predict the behavior of elements.

Procedure:

1. Number the groups.
2. Number the periods
3. Draw a heavy black line between the metals and nonmetals.
4. Write the name of each of the following groups above the number:

Group 1          alkali metals

Group 2          alkaline earth metal

Group 3-12    (collectively) transition metals

Group 16        chalcogens

Group 17        halogens

Group 18        Noble gases

1. Write the names of the two rows at the bottom of the chart:  lanthanides and actinides
2. Write the symbol of each element that exists as a gas at ordinary conditions in RED.
3. Write the symbol of each element that is a solid at ordinary conditions in BLACK.
4. Write the symbol of each element that is a liquid at ordinary condition in BLUE.
5. Write the symbol of each element that is a man-made element as an outline. Example: **Pm**
6. Place the atomic number for each element above the symbol.
7. Use the following chart to color the periodic table.

Halogen                                  blue

Noble gases                          yellow

Alkali metals                          purple

Alkaline earth metals            red

Transition elements   green

Lanthanides                           orange

Actinides                                light blue

1. Outline the symbol’s box in dark green if it is RADIOACTIVE in its most common form.

