

Name _____

Date _____ Pd: _____

The Periodic Table

Materials: Periodic Table
Pencil Crayons

Part I - Phases of the elements

Look at the periodic table at the front of the class. You will notice that the elements are written in black, blue or red. The colour indicates the phase that the element is in at room temperature (20°C).

At room temperature, most of the elements on the periodic table are solids. Five elements are liquids and eleven are gases.

1. Label the liquids with a small "L" in the bottom right corner of the element box
2. Label the gases with a small "G" in the bottom right corner of the element box

Part II - Families

Chemical Families are vertical columns of elements.

3. **Lightly** colour each of the following families a *different* colour:
 - Hydrogen - a family of one
 - Alkali Metals
 - Alkaline Earth Metals
 - Halogens
 - Noble Gases
4. Write the Family name below the lowest family member.
(you do not have to label the Hydrogen family)

Part III - Other

5. Darken the area that divides metals from non-metals, label it "Metalloids".
6. Label "Metals" on the arrow that is to the left of the metalloid area.
7. Label "Non-metals" on the arrow that is to the right of the metalloid area.
8. Label and Colour the Transition Metals.
9. Label and Colour the Lanthanide and Actinide Series.
10. Label the row #'s on the far left and the far right of the Periodic Table.
(Don't forget the Lanthanide and Actinide Series.)