

# Periodic Table Basics

## Step 1: Complete the card for each element.

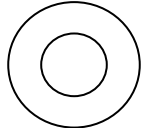
Complete the top section for each element by adding the element's ① atomic number, ② name, and ③ atomic mass.

④ Determine the number of protons, neutrons, and electrons in each element.

⑤ Darken the correct circle to show if the element is a solid (S), liquid (L), or gas (G) at room temperature.

⑥ Create a Bohr diagram for each element.

⑦ Draw the Lewis Structure for each element.

① _____
<b>B</b>
② _____
③ _____
④ P = ____ N = ____ E = ____
⑤ <input type="radio"/> Solid <input type="radio"/> Liquid <input type="radio"/> Gas
⑥  <b>B</b> ⑦

## Step 2: Use colored pencils to shade in the card for each element. Hydrogen is not colored!

Green = Li & Na

Pink = O & S

Blue = Be & Mg

Purple = F & Cl

Orange = B & Al

Red = C & Si

Tan = N & P  
(Light brown)

Yellow = He, Ne, & Ar

## Step 3: Cut the cards apart and arrange according to atomic number in the pattern shown below on a large sheet of construction paper.

<b>Periodic Table Basics</b>							
1							2
3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18

## Step 4: After you have the cards arranged in the correct order, glue them to the paper. Add a title at the top of the page along with your names.

## Step 5: Answer the questions on the back of this worksheet using the information on your Periodic Table. Each person in your group must complete the worksheet!