

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 _____

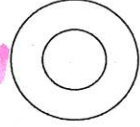
B

2 _____

3 _____

4 P = _____ N = _____ E = _____

5 Solid Liquid Gas

6  **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

Another color = N & P

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.

Periodic Table Basics							
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 name.