## **Periodic Table Basics**

**Step 1**: Complete the square for each element by filling in the atomic number, name, & atomic mass.

**Step 2**: Determine the number of protons, neutrons, and electrons in an atom of each element.

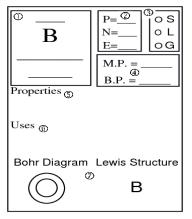
**Step 3**: Identify if the element is a solid, liquid, or gas at room temperature.

Step 4: Give the melting (M.P.) and boiling points (B.P.) in degrees Celsius.

**Step 5**: List at least three physical or chemical properties for each element.

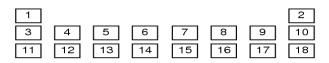
Step 6: List at least three uses for each element.

**Step 7:** Draw a Bohr diagram and Lewis Structure to show the arrangement of electrons and the number of valence electrons.



**Step 8**: Use the following colors to shade in the square for each element. You should ONLY color the small square in the upper left-hand corner and not the entire card.

**Step 9**: Cut the cards apart and arrange <u>according to atomic number</u> in the pattern shown. Once you have the cards arranged in the correct order, glue them to a large sheet of construction paper.



Done? Answer the questions on the worksheet using the information on your Periodic Table!



Need information? Visit the Periodic Table links on the <u>Chemistry</u> page of the <u>Kid Zone!</u>

Go to http://sciencespot.net/ and click the Kid Zone graphic!

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