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.

Green = Li & Na Orange = B & Al Pink = 0 & S Red = C & Si Blue = Be & Mg Tan = N & P Purple = F & Cl Yellow = He, Ne, & Ar

Step 9: Cut the cards apart and arrange according to atomic number 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!

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Julia Schneider

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