

# Periodic Table Basics

**Step 1: Complete the squares for each element by adding the atomic number, name, and atomic mass.**

Write the atomic number at the top of the square.

Write the element's name under the symbol.

Write the atomic mass at the bottom of the square.

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

**Step 3: Create a Bohr diagram for each element.**

**Step 4: Draw the Lewis Structure for each element.**

The sample card for Boron (B) contains the following information:

- Atomic number: 5
- Symbol: B
- Name: Boron
- Atomic mass: 10.81
- Protons (P): 5
- Neutrons (N): 6
- Electrons (E): 5
- Bohr Diagram: A diagram showing a nucleus with 5 protons and 6 neutrons, and 5 electrons arranged in two shells (2 in the first shell, 3 in the second shell).
- Lewis structure: A diagram showing the Boron atom with its valence electrons (3) represented by dots around the symbol B.

**Step 5: Use the following colors to shade in the square for each element. You should ONLY color in the small square in the upper left-hand corner and not the entire card.**

Green = Li & Na

Pink = O & S

Blue = Be & Mg

Purple = F & Cl

Orange = B & Al

Red = C & Si

Tan = N & P

Yellow = He, Ne, & Ar

**Step 6: Cut the cards apart and arrange according to atomic number in the pattern shown below. Once you have the cards arranged in the correct order, glue them to a large sheet of construction paper.**



**Step 7: Answer the questions on the back of this worksheet using the information on your Periodic Table.**

# Periodic Table Basics Answers

**J Elliott**



## **Periodic Table Basics Answers:**

## **Periodic Table Basics Answers** Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Periodic Table Basics Answers**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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