

Getting to Know the Periodic Table

Name _____ Per. _____

Directions:

- A. Complete the Table on the other side of this sheet by drawing in each missing element. You must find the pattern and continue it. Be Neat! When you have finished the drawings, answer the questions below.
- B. 1. Which Roman numeral does ?A represent? _____
?B represent? _____
?C represent? _____
2. What does the Roman numeral tell you about the atoms in that column?
3. What number does ?D represent? _____
4. What relationship is there between the number of protons and the number of electrons in an atom?
5. What is the largest number of electrons that the innermost shell (energy level 1) can hold?
6. What is the largest number of electrons that can be in the next shell (energy level 2)?
7. What is the largest number of electrons that the third shell (energy level 3) can hold?
8. How are the elements in the last column, the Noble (Inert) Gases, different from all of the other elements?
9. Which of the following pairs of elements do you think are most alike?
a. 3 and 11
b. 6 and 7
c. 10 and 20
10. Now use a Periodic Table to identify the elements in the Table on the other side of this paper. Print the symbol for each element in the appropriate box of the Table.

