

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Block: \_\_\_\_\_

## Introduction to the Periodic Table

**Directions:** Answer the questions with the proper information using your notes, book, and the periodic table.

1. Define a family. \_\_\_\_\_
2. What is a period? \_\_\_\_\_
3. What is the symbol for the following elements?
  - a. Magnesium: \_\_\_\_\_
  - b. Iron: \_\_\_\_\_
  - c. Potassium: \_\_\_\_\_
  - d. Copper: \_\_\_\_\_
4. What are the names of the following elements?
  - a. C: \_\_\_\_\_
  - b. Au: \_\_\_\_\_
  - c. Cl: \_\_\_\_\_
  - d. Sr: \_\_\_\_\_
5. What period are the following elements in?
  - a. He: \_\_\_\_\_
  - b. Rb: \_\_\_\_\_
  - c. Ge: \_\_\_\_\_
  - d. I: \_\_\_\_\_
6. What group are the following elements?
  - a. Sulfur: \_\_\_\_\_
  - b. Iodine: \_\_\_\_\_
  - c. Ca: \_\_\_\_\_
  - d. Fe: \_\_\_\_\_
7. Give me an atom with the following characteristics:
  - a. Halogen: \_\_\_\_\_
  - b. Alkali metal: \_\_\_\_\_
  - c. Lanthanide series: \_\_\_\_\_
  - d. Transition Metal: \_\_\_\_\_
  - e. Nobel gas: \_\_\_\_\_
  - f. Alkaline Earth metal: \_\_\_\_\_

**Directions:** Use your periodic table to complete the following questions.

8. What is the atomic symbol for silver? \_\_\_\_\_
9. What is the atomic mass of mercury? \_\_\_\_\_
10. Ni is the symbol for what element? \_\_\_\_\_
11. The element that has the atomic number 17 is? \_\_\_\_\_
12. List the symbol for two transitions metals. \_\_\_\_\_
13. Cu, Ag, and Au are all in what group number? \_\_\_\_\_
14. Name two nobel gases. \_\_\_\_\_
15. Give the symbol for two halogens. \_\_\_\_\_
16. What is the symbol for atomic # 74? \_\_\_\_\_
17. What is the last element in period 4? \_\_\_\_\_

**Directions:** Complete the table

	Element	Atomic #	Number protons	Number electrons	Atomic Mass	Rounded Atomic Mass	# Neutrons	Period
1	Oxygen							
2	Helium							
3	Aluminum							
4	Calcium							
5	Uranium							