

Name: _____ Date: _____ Block: _____

Introduction to the Periodic Table

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

- Define a family. Column on periodic table. AKA Group
- What is a period? Row on periodic table.
- What is the symbol for the following elements?
 - Magnesium: Mg
 - Iron: Fe
 - Potassium: K
 - Copper: Cu
- What are the names of the following elements?
 - C: Carbon
 - Au: Gold
 - Cl: Chlorine
 - Sr: Strontium
- What period are the following elements in?
 - He: 1
 - Rb: 5
 - Ge: 4
 - I: 5
- What group are the following elements?
 - Sulfur: 16
 - Iodine: 17
 - Ca: 2
 - Fe: 8
- Give me an atom with the following characteristics:
 - Halogen: F, Cl, Br, I, At
 - Alkali metal: Li, Na, K, Rb, Cs
 - Lanthanide series: Ce, Pr, Nd
 - Transition Metal: Ag, Au, Ti, Cu, Zn
 - Nobel gas: He, Ne, Ar, Kr, Xe
 - Alkaline Earth metal: Be, Mg, Ca, Sr, Ba

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

8. What is the atomic symbol for silver?

Ag

9. What is the atomic mass of mercury?

200.59

10. Ni is the symbol for what element?

Nickel

11. The element that has the atomic number 17 is?

Chlorine

12. List the symbol for two transition metals.

Au, Ag

13. Cu, Ag, and Au are all in what group number?

11

14. Name two noble gases.

He, Ne

15. Give the symbol for two halogens.

F, Cl

16. What is the symbol for atomic # 74?

W

17. What is the last element in period 4?

Kr

Directions: Complete the table

	Element	Atomic #	Number protons	Number electrons	Atomic Mass	Rounded Atomic Mass	# Neutrons	Period
1	Oxygen	8	8	8	15.99	16	8	2
2	Helium	2	2	2	4.0026	4	2	1
3	Aluminum	13	13	13	26.96	27	14	3
4	Calcium	20	20	20	40.078	40	20	4
5	Uranium	92	92	92	238.03	238	146	7