

Periodic Table Packet #1

Name _____

Period _____

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. Potassium _____
 - c. Iron _____
 - d. Copper _____
4. What are the names of the following elements.
 - a. C _____
 - b. Cl _____
 - c. Au _____
 - d. Sr _____
5. What period are the following elements in?
 - a. He _____
 - b. Ge _____
 - c. Rb _____
 - d. I _____
6. What group are the following elements?
 - a. Sulfur _____
 - b. Ca _____
 - c. Iodine _____
 - d. Fe _____
7. Give me an atom with the following characteristics.
 - a. Halogen _____
 - b. Chalcogen _____
 - c. Alkali metal _____
 - d. Boron _____
 - e. Lanthanide series _____
 - f. Alkaline Earth metal _____
 - g. Transition metal _____
 - h. Noble gas _____

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Directions: Use your Periodic table to complete the worksheet.

1. What is the atomic symbol for silver?
2. What is the atomic mass of mercury?
3. Ni is the symbol for what element?
4. The element that has the atomic number 17 is?
5. List the symbols for two transition metals.
6. Cu, Ag, and Au are all in what group #
7. Name two noble gases
8. Give the symbol for two halogens.
9. What is the symbol for element with atomic number 74?
10. What is the atomic mass of copper?
11. What is the last element in period 4?

For questions 12 - 15, label the following Key box as it should appear on your periodic table

12. _____	→ 6
13. _____	→ C
14. _____	→ Carbon
15. _____	→ 12.01

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6.4 c Periodic Table of Elements

Directions: Use the periodic table to fill in the below chart.

	Element	Symbol	Atomic Number	# of protons	# of electrons	Atomic Mass	Rounded Atomic Mass	(show work) # of Neutrons	Period
1	Oxygen	O	8	8	8	15.999	16	$16 - 8 = \underline{8}$	2
2	Helium								
3	Carbon								
4	Aluminum								
5	Calcium								
6	Sodium								
7	Potassium								
8	Nitrogen								
9	Silicon								
10	Iron								
11	Hydrogen								

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Directions: Use a Periodic table to find the information asked for below:

1. What is the atomic number of:

Calcium _____

Iron _____

Gold _____

Uranium _____

2. What is the Atomic mass of:

Calcium _____

Iron _____

Uranium _____

Copper _____

3. How many protons do the following have?

Calcium _____

Gold _____

Copper _____

Iron _____

4. How many electrons do the following have?

Gold _____

Iron _____

Copper _____

Uranium _____

5. Does mercury have more protons and electrons than tin?

6. Is mercury a heavier element than tin?

7. Does potassium have more electrons than neon?

8. Does hydrogen have more electrons than Uranium?

9. Which has more protons, sulfur or iodine?

10. Write the symbols or the names for each of these elements:

Chlorine _____

Zn _____

Copper _____

Helium _____

Potassium _____

Iron _____

Silver _____

P _____

Na _____

Ne _____

Sn _____

Mercury _____