Name_____ Date_____ Period____

Periodic Table Worksheet

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 have____
Gold_____
Copper_____
Iron_____

4. How many electrons do the following have?

Gold have____
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?

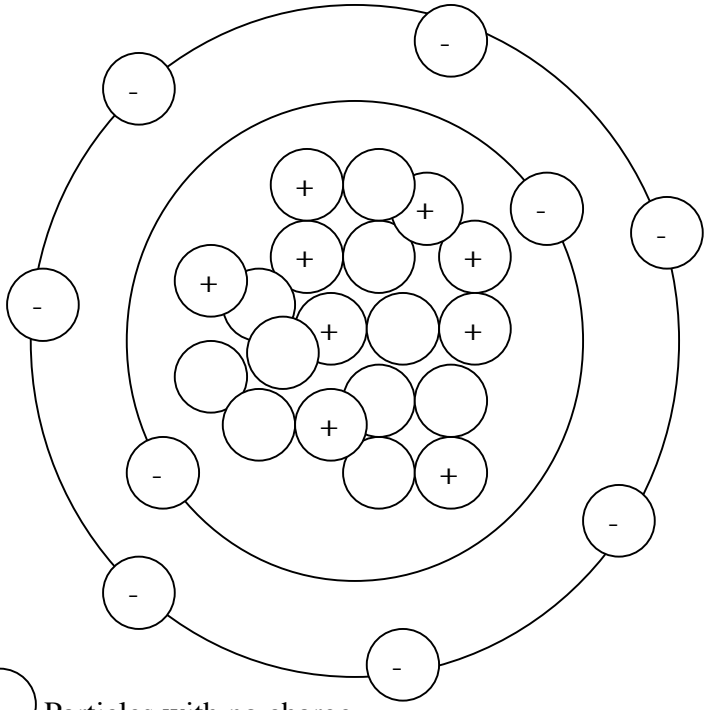
10. Which has more protons, iodine or silver?

11. In the boxes below make Bohr models for each of the elements.

a. Determine how many electrons, protons, and neutrons there are in each atom.
b. Draw a Bohr model of each element using the number of electrons, protons, and neutrons
c. NOTE: The first energy level can only hold up to 2 electrons. The second energy level can hold up to 8 electrons.

_____ Electrons _____ Protons HELIUM _____ Neutrons	_____Electrons _____ Protons OXYGEN _____ Neutrons

12. Study the following model of an atom and answer the following questions:



Key: ○ Particles with no charge

○ (-) Particles with negative charge

○ (+) Particles with positive charge

a. How many electrons does this atom have? _____
b. How many protons? _____
c. How many neutrons? _____
d. What is the atomic number? _____
e. Find the name of this element by referring to the periodic chart. _____

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

Chlorine _____ _____ Zn
Copper _____ Helium _____
Potassium _____ Iron _____
Silver _____ _____ P
_____ Na _____ Ne
_____ Sn Mercury _____