

# Periodic Table worksheet

Name \_\_\_\_\_

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. Na \_\_\_\_\_
  - d. Sr \_\_\_\_\_
5. What period are the following elements in?
  - a. He \_\_\_\_\_
  - b. Ge \_\_\_\_\_
  - c. Rb \_\_\_\_\_
  - d. I \_\_\_\_\_
6. What is the name for the group that the following elements are in?
  - a. Sulfur \_\_\_\_\_
  - b. Ca \_\_\_\_\_
  - c. Iodine \_\_\_\_\_
  - d. Fe \_\_\_\_\_
7. Give me an element other than the ones above with the following characteristics.
  - a. Halogen \_\_\_\_\_
  - b. Nonmetal \_\_\_\_\_
  - c. Alkali metal \_\_\_\_\_
  - d. metalloid \_\_\_\_\_
  - e. Transition metal \_\_\_\_\_
  - f. Nobel gas \_\_\_\_\_
8. How many valance electrons do each of the following have?
  - a. Li \_\_\_\_\_
  - b. Na \_\_\_\_\_
  - c. K \_\_\_\_\_

9. Explain where you would find the following.

a. Metals \_\_\_\_\_

b. Nonmetals \_\_\_\_\_

c. Metalloids \_\_\_\_\_

d. Transition Metals \_\_\_\_\_

10. What are valence electrons? \_\_\_\_\_

\_\_\_\_\_

11. Draw the dot diagrams for the following elements.

a. F \_\_\_\_\_ b. Cl \_\_\_\_\_ c. Br \_\_\_\_\_ d. I \_\_\_\_\_

e. O \_\_\_\_\_ f. S \_\_\_\_\_ g. Se \_\_\_\_\_ h. Te \_\_\_\_\_


12. By looking at the valence electrons why are F, Cl, Br and Iodine in the same column of the periodic table?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Fill in the following chart

Element	# of Protons	# of Neutrons	# of total Electrons	# of Valance Electons	Draw the Dot Diagram
<b>Lithium</b>					
	<b>8</b>				
					
			<b>17</b>		
<b>Neon</b>					