

Using the periodic table

Graphic organizer for metals, metalloids and nonmetals

	Metals	Metalloids	Nonmetals
properties			
location on the Periodic table			
state(s) of matter of the elements			

Identify the **symbol** and **name** of the element

1. Period 3, Group 14 _____
2. Period 5, Group 10 _____
3. Period 2, Group 17 _____
4. Period 6, Group 15 _____
5. Period 4, Group 3 _____

Identify if a metal, metalloid or nonmetal

6. #1 above _____
7. #2 above _____
8. #3 above _____
9. #4 above _____
10. #5 above _____

11. What are the only two elements on the periodic table that are liquids at room temperature?

12. All elements that are gases on the periodic table at room temperature belong to what large grouping?
(metals, metalloids or nonmetals)

13. What on the periodic table tells you the number of valence electrons of the atom? _____

Determine the number of valence electrons of the following atoms

14. Arsenic (As) _____

15. Fluorine (F) _____

16. Potassium (K) _____

17. Strontium (Sr) _____

18. Aluminum (Al) _____

19. Xenon (Xe) _____

20. Germanium (Ge) _____