

Periodic Trend Research

1. Which trend are you researching? **Metallic Properties**
2. Define "**metallic properties**". _____

3. What must happen for metals to **react** with other atoms? _____

4. What is a "**noble metal**"? How are they different than regular metals? _____

5. What are "**metalloids**"? How are they different from regular metals? _____

6. How are the **Lanthanide** metals different? _____

7. How are the **Actinide** metals different? _____

8. What happens to the trend as you move from **left to right** across a period? _____

9. What happens to the trend as you move **down a group**? _____

10. Which group/ element has the **largest value** for this trend? _____ / _____
11. Which group/ element has the **smallest value** for this trend? _____ / _____
12. Explain the phrase "**sea of electrons**"? _____

13. Explain what an **alloy** is and give examples. _____

14. How do you think this trend affects **chemical reactions**? _____

15. How do **other trends** relate to this one? _____

