

**Charged Particles and Binary Nomenclature #2**quien? \_\_\_\_\_  
(Spanish for who)

Fill in the element, ion, number of protons, electrons or atomic number for the following:

Elemental or ion name	Element or ion symbol	Number of Protons	Number of Electrons	Atomic Number
silver atom				
		54	58	
	Se <sup>-2</sup>		18	24
rhenium (IV)				

Write the name or the formula for the following elements and compounds. Don't forget to include the roman numerals to indicate the charge on metals that can have more than one charge.

1. CoS \_\_\_\_\_
2. barium phosphide \_\_\_\_\_
3. ZrI<sub>4</sub> \_\_\_\_\_
4. nickel (II) fluoride \_\_\_\_\_
5. I<sub>2</sub> \_\_\_\_\_
6. platinum (IV) arsenide \_\_\_\_\_
7. Ag<sub>3</sub>As \_\_\_\_\_
8. chlorine<sub>(g)</sub> \_\_\_\_\_
9. MnSe<sub>2</sub> \_\_\_\_\_
10. potassium bromide \_\_\_\_\_
11. AuI \_\_\_\_\_
12. molybdenum (IV) sulfide \_\_\_\_\_
13. H<sub>2</sub> \_\_\_\_\_
14. argon<sub>(g)</sub> \_\_\_\_\_
15. Ba<sub>3</sub>N<sub>2</sub> \_\_\_\_\_
16. zinc iodide \_\_\_\_\_
17. CdO \_\_\_\_\_
18. nitrogen<sub>(g)</sub> \_\_\_\_\_
19. HBr \_\_\_\_\_
20. yttrium telluride \_\_\_\_\_

**Complete these sentences:**

If zinc loses 2 electrons it becomes a \_\_\_\_\_ .

To become a -3 ion phosphorus must \_\_\_\_\_ .

Fe<sup>+3</sup> has \_\_\_\_\_ electrons.

An ion is an atom that \_\_\_\_\_ .