

WRITING FORMULAS (CRISS-CROSS METHOD)

Name _____

Write the formulas of the compounds produced from the listed ions.

	Cl^-	CO_3^{-2}	OH^-	SO_4^{-2}	PO_4^{-3}	NO_3^-
Na^+						
NH_4^+						
K^+						
Ca^{+2}						
Mg^{+2}						
Zn^{+2}						
Fe^{+3}						
Al^{+3}						
Co^{+3}						
Fe^{+2}						
H^+						

NAMING ACIDS

Name _____

Name the following acids.

1. HNO_3 _____
2. HCl _____
3. H_2SO_4 _____
4. H_2SO_3 _____
5. $\text{HC}_2\text{H}_3\text{O}_2$ _____
6. HBr _____
7. HNO_2 _____
8. H_3PO_4 _____
9. H_2S _____
10. H_2CO_3 _____

Write the formulas of the following acids.

11. sulfuric acid _____
12. nitric acid _____
13. hydrochloric acid _____
14. acetic acid _____
15. hydrofluoric acid _____
16. phosphorous acid _____
17. carbonic acid _____
18. nitrous acid _____
19. phosphoric acid _____
20. hydrosulfuric acid _____

WRITING FORMULAS FROM NAMES

Name _____

Write the formulas of the following compounds.

1. ammonium phosphate _____

2. iron (II) oxide _____

3. iron (III) oxide _____

4. carbon monoxide _____

5. calcium chloride _____

6. potassium nitrate _____

7. magnesium hydroxide _____

8. aluminum sulfate _____

9. copper (II) sulfate _____

10. lead (IV) chromate _____

11. diphosphorus pentoxide _____

12. potassium permanganate _____

13. sodium hydrogen carbonate _____

14. zinc nitrate _____

15. aluminum sulfite _____