

CALCULATE CHARGE & NAME :



$$2Mn + 3O = \emptyset$$

$$2(x) + 3(-2) = 0$$

$$2x - 6 = 0$$

$$+6 \quad +6$$

$$\frac{2x}{2} = \frac{6}{2}$$

$$x = +3$$

Manganese (III) Oxide



$$2Ag + 1S = \emptyset$$

$$2(x) + (-2) = 0$$

$$2x - 2 = \emptyset$$

$$+2 \quad +2$$

$$\frac{2x}{2} = \frac{2}{2}$$

$$x = 1$$

Silver (I) Sulfide



$$Zn + SO_4 = \emptyset$$

$$x + (-2) = \emptyset$$

$$+2 \quad +2$$

$$x = 2$$

Zinc (II) Sulfate



$$\text{Ni} + 2\text{Cl} = 0$$

$$x + 2(-1) = 0$$

$$x - 2 = 0$$
$$+2 \quad +2$$

$$x = +2$$

NICKEL (II) CHLORIDE



$$\text{Ti} + 2\text{O} = 0$$

$$x + 2(-2) = 0$$

$$x - 4 = 0$$
$$+4 \quad +4$$

$$x = +4$$

Titanium (IV) OXIDE



$$\text{Ag} + \text{NO}_3 = 0$$

$$x + (-1) = 0$$
$$+1 \quad +1$$

$$x = +1$$

SILVER (I) NITRATE



$$3\text{Cu} + 2(\text{PO}_4) = 0$$

$$3(x) + 2(-3) = 0$$

$$3x - 6 = 0$$
$$+6 \quad +6$$

$$\frac{3x}{3} = \frac{6}{3}$$

$$x = 2$$

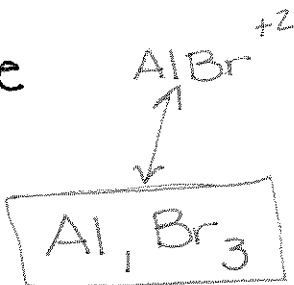
Copper (II) PHOSPHATE

HOW TO GO FROM THE NAME TO THE FORMULA:

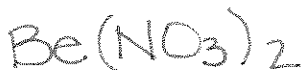
- (1.) FIRST WRITE OUT IONS w/CHARGES.
- (2.) SWAP/DROP/REDUCE

EX:

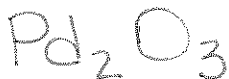
(1.) Aluminum Bromide



(2.) Beryllium Nitrate



(3.) Palladium (III) oxide



(4.) AMMONIUM SULFATE



(5.) Zinc (II) PHOSPHATE

