Polyatomic Compounds

Tuesday, February 28, 2017

and ion charge

ex.
$$OH^{-1} \rightarrow hydroxide$$

 $PO_4^{-3} \rightarrow phosphate$
 $PO_3^{-3} \rightarrow phosphite$

- easy to identify because the formula has 3 or more different elements

Maming:

- 1. Positive polyatomic ions are written 1st, like metals
- 2. Negative polyatomic ions are written 2nd and the name of the ion is NOT changed.

Ex.

#2. Hydragen + dichromate - hydragen dichromate

#4. $CV(ND_3)_2 \rightarrow Copper(II)$ nitrate

formula:

- white metal + non-metal elements in their ion form *polyatomic is always written in brackets
- 2. re-write elements without ion charges criss-cross the numbers (keep brackets) - reduce if common factor

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Ex.#2

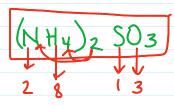
#1. Aluminum phosphate

#2 Calcium Chlorite

$$Ca_1(ClO_2)_2 \rightarrow Ca_1(ClO_2)_2$$

$$\downarrow \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \downarrow \qquad \qquad \qquad \qquad \downarrow \qquad $

#3. Ammonium Sulfite



= 14 atoms