

Ionic Compounds

Wednesday, February 22, 2017

1:11 PM

Monovalent

-elements with only **one** charge

Naming:

1. Write the name of the metallic element 1st
2. Write the name of the **non-metallic** element 2nd and change its ending to "ide"

tricky endings:

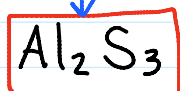
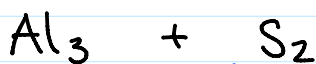
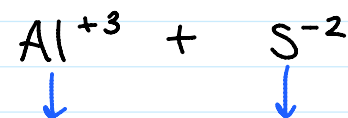
hydrogen	→	hydride
oxygen	→	oxide
phosphorus	→	phosphide
nitrogen	→	nitride

Ex. Name:

1. Magnesium + oxygen → magnesium oxide
2. Chlorine + calcium → calcium chloride
3. ZnO → zinc oxide
4. Al₂S₃ → Aluminum sulphide

Formulas:

Aluminum Sulphide



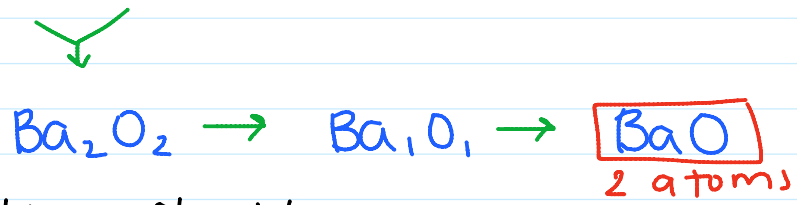
5 atoms

STEPS:

1. metal + non-metal in ion form
2. write without charges → subscripts
3. criss-cross the numbers
4. reduce like a fraction
do not write 1

ex. # 1 Barium oxide





Ex. #2 Lithium fluoride

