Flow Chart for Naming compounds

ViZ!SCIENCE

COMPOUND

BINARY - 2 elements

non-metal + non-metal

_____

USE PREFIXES

Molecular compounds are named with prefixes:

(1) MONO	(2)	(3)
(4)	(5)	(6)

_____ is not used for the first element

Element on the _____ of the periodic table is named first.

If hydrogen is present, _____ is named first.

If (halogen + oxygen) is present, _____ is named first.

Second element ends in _____

metal + non metal

_____

BALANCE CHARGES

NO TRANSITION METALS

The _____ is named first before the anion.

The 2nd element ends in 'IDE"

TRANSITION METALS

R_____ numerals are used to indicate the charges of _____ transition metal

**Transition metals that do not require Roman numerals:*

_____, _____, _____

POLY - 3 or more elements

_____

IONS

BALANCE CHARGES

NO TRANSITION METALS

The _____ is named first before the anion

ANION

Prefixes: _____, _____

Sufixes: _____. _____

CATION

If the cation is a H^+ ion, the compound is an _____

Sulfite ion: sulfurous acid
Sulfate ion: sulfuric acid
"ite" ends in _____
"ate" ends in _____

TRANSITION METALS

Use the same naming convention as that of the _____ compounds