

6.3 Cmpd Explanations

How to write Chemical Formulas and Chemical Names

Chemical Formula to Chemical Name

- Check to see if the first element in the compound is a Metal or a Nonmetal
If it is a Nonmetal...
The Subscript becomes the Prefix
(There is no prefix for the 1st element if there is only one)
If it is a Metal...
Check to see if it is a Transition Metal
If it is a Transition Metal, make the Table
If it is NOT a Transition Metal, write the name
(Double check for polyatomic ions)

Chemical Name to Chemical Formula

- Check to see if the first element in the compound is a Metal or a Nonmetal
If it is a Nonmetal...
The Prefix become the Subscript
(There is no prefix for the 1st element if there is only one)
If it is a Metal...
Write out the chemical symbol with the charge of the metal/polyatomic ion
Write out the chemical symbol with the charge of the nonmetal/ polyatomic ion
Cross and drop
(Make sure to put polyatomic ions in () if there is more than one)

Test Taking

Step 1 – Write down (Next to the problem #) if it is a metal (M) or nonmetal (N)

Step 2 – Underline the endings (ide = PT, ate, ite = Sheet)

Step 3 – If it is a transition metal, Circle it

Step 4 – REPEAT for next problem

- Ex. M 6. FeO _____ Iron (II) Oxide _____
- M 8. Sodium Phosphate _____ Na₃(PO₄) _____
- N 11. Carbon dioxide _____ CO₂ _____