

Teacher Guide:

Use this puzzle to help students review how to name and write the formula for binary ionic compounds, ionic compounds that have a metal with multiple ionic charges, compounds with polyatomic ions and molecular compounds. Choose the size of puzzle that you want to use, and whether or not you want the common misconceptions along the edges of the puzzle, print, laminate (if you like) and cut.

There are two main versions of this puzzle: one has edges and one does not. The names and formulas on the edges do not have matches and have been specially chosen to address common misconceptions about naming and formula writing. For example, nitrogen gas is listed and so is "N" and "N2". Students will need to remember that nitrogen is diatomic or the puzzle will not come together correctly.

Other misconceptions that are addressed have to do with subscripts, prefixes for molecular compounds, names of polyatomic ions, Roman Numerals, and element symbols.

I prefer to use the puzzle with the edges for both my general and advanced students because we can then discuss and address those common misconceptions that they are having.

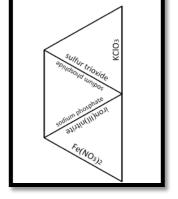
Thank you for downloading this product! Michelle Brosseau, Mrs. Brosseau's Binder

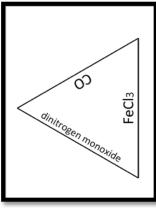
http://www.teacherspayteachers.com/Store/Mrs-Brosseaus-Binder

Small (S) size fits on one page and is good for showing the solutions and for individual practice. The finished puzzle's edge is about 17 cm or 7" long.

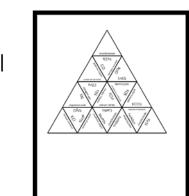
> Medium (M) size prints over 2 pages and is great for individuals or partners to practice. The finished puzzle's edge is about 40 cm or 16" long.

Large (L) size prints over 6 pages and is perfect for small group review. The finished puzzle's edge is about 52 cm or 20" long.





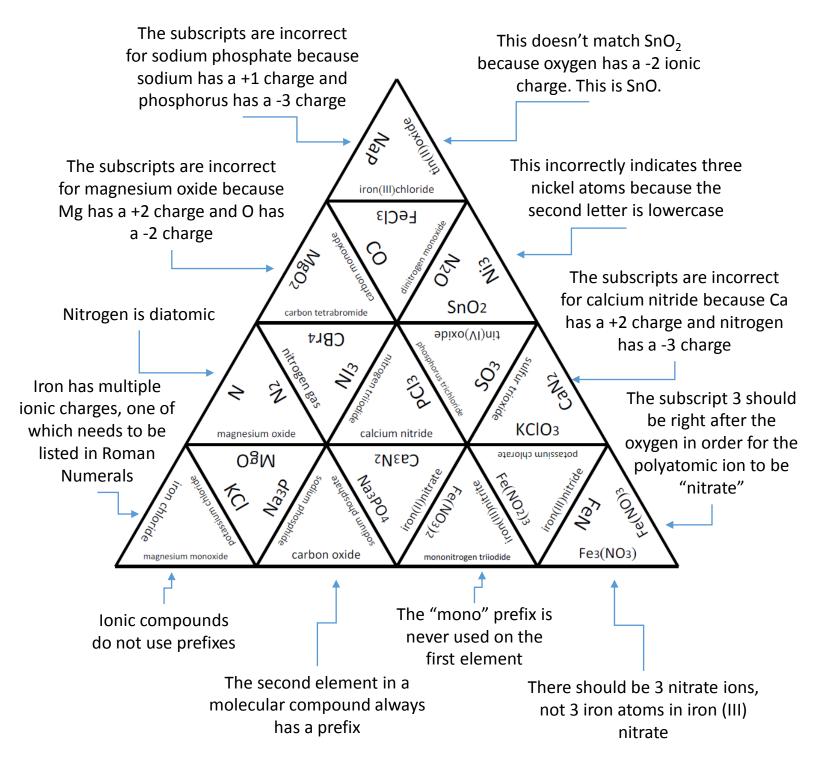
Extra Large (XL) prints over 16 pages! This is great to do as a big group or as a big review race for smaller groups. The finished puzzle's edge is about 80 cm or 32" long.







Common misconceptions found along the edges



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Thank you!

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