

LO: Students will learn to write chemical formulas from chemical names.

DOL: Students will be able to correctly write chemical formulas 4/5 times.

Steps to writing chemical formulas:

1) identify the type of compound

-ionic, covalent, acid

2) If it's an acid, just write the formula from your notes.

If it is ionic:

3) write the charges above each of the words

4) if the charges:

a) cancel: write one of each symbol

b) do not cancel: "switch" the charges  
into subscripts (reduce if needed)

i) if a polyatomic needs a subscript, add ( )

If it is covalent:

3) Write each chemical symbol with the  
subscript of the prefix

Examples:

calcium chloride

carbon tetrachloride

Try these:

aluminum phosphate

dinitrogen pentoxide

calcium hydroxide

sulfuric acid