

## WRITING COMPOUND FORMULAS

IONICS	ACIDS	COVALENTS
1. Write down your two ions	1. You will be able to pick	1. You will be able to pick
with their charge.	out these compounds	out these compounds
2. If you see a roman	easily because they	easily because they
numeral, it is telling you	include the term ACID!	include PREFIXES!
the positive charge of the	2. Determine which ion is in	2. Determine if the covalent
metal.	the acid based on the	is organic (one word name
3. Add subscripts in order to	name.	with –ane ending) or if it is
cancel out the charge of	Hydroic acid =ide	inorganic (two word
the ions to zero for the	ion (nonmetal)	name).
overall compound.	ic acid =ate ion	3. If organic, determine the
4. If you need a balancing	ous acid =ite ion	carbon # subscript from
subscript on a polyatomic	3. Balance the charge on the	the prefix, and determine
ion, add parentheses	ion using $H^{+1}$ ions at the	the hydrogen # subscript
around the polyatomic	front of the compound.	from presence of "cyclo"
ion, and place the	4. Add (aq) to the end of the	4. If inorganic, determine
balancing subscript	compound, as all acids are	subscripts from prefixes
outside of the	aqueous solutions!	
parentheses.		

<u>HINT:</u> –ATE and –ITE endings = Polyatomic lons, but –IDE endings = Non-Metals (except  $OH^{-1}$  and  $CN^{-1}$ )