Binary Ionic Compounds

	ounds formed by ionic bonds are called and have different properties than their lonic compounds form	
0	Ionic compounds form	r individual atoms.
	lonic compounds form	
0		
	Ionic compounds	and
0	lonic compounds easily	·
0	When ionic compounds dissolve in water, the charged ions can	
	and are called	
	■ Electrolytes areto human _	
ing Ato	ms	
		are used to express they
	of atoms and	of individual
	are present in a compound.	
	, written after the element, identify the	
of ato	ns there are of each element.	
0	The number 1 is not written in chemical formulas.	
Some	compounds have of	that always
	gether and are placed inside	
outsic	e the parentheses.	
0		in parenthesis
	by the subscript outside of the parenthesis.	
ng Form		
	ionic compounds have only	of
	(metal and non-metal)	
0	Even though the ions carry a charge, the	themselves, are
0	Therefore, the number of negative ions must equal the number of	positive ions.
		positive ions.
	Therefore, the number of negative ions must equal the number of the symbol and positive oxidation numbered element first (metal) Magnesium Nitride	positive ions.

- Write oxidation numbers of each element, without the charge, as the subscript for the other element.
 (Criss Cross)
 - o Magnesium Nitride
- Once this is done, the compound will have the same amount of positive ions and negative ions.

Naming Compounds

- Write the full name of the positive ion
 - NaCl
- Write the root name of the negative ion
 - NaCl
- Add the ending ide to the root
 - o NaCl

Endings for Non-metal Ions

- Nitride
- Phosphide
- Oxide
- Sulfide
- Fluoride
- Chloride
- Bromide
- Iodide