Worksheet: Writing Binary Formulas **Name**_____

Ionic compounds are composed of _____ and _____. When writing an ionic formula, the total _____ charge must equal the total _____ charge because the number of electrons _____ must equal the number of electrons _____. Always write the symbol of the _____ first, followed by the symbol of the _____. The _____ method is a short-cut to correct formula writing as long as we remember to simplify our subscripts!

In each box, write the formula of the ionic compound consisting of the positive ion to the left of the box and the negative ion above the box.

	Cl^-	S^{2-}	F^-	N^{3-}	O^{2-}	P^{3-}
Mg^{2+}						
Cs^+						
Cr^{3+}						
Na^+						
Zn^{2+}						
Al^{3+}						