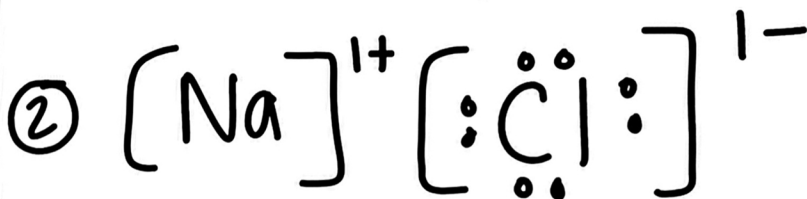
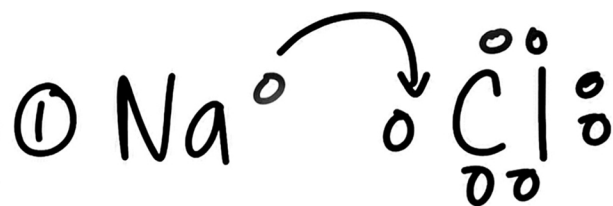


Noteset 2C (Part 1)

Representative Element Ionic Bonding

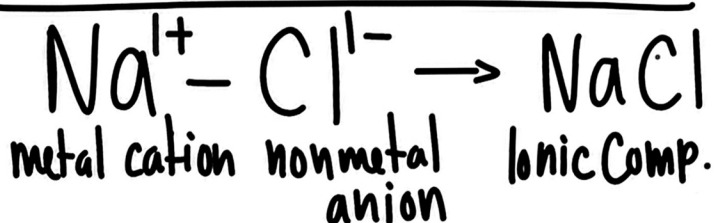
Ionic Bonding

An electronic bond between a metal and a non-metal due to the transfer of electrons.



Ionic Compound Formulas

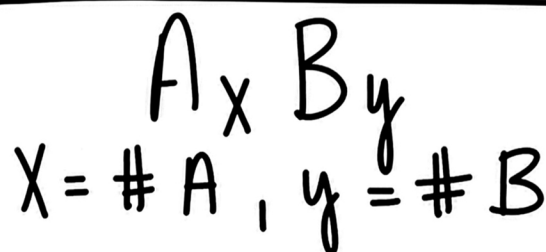
Ionic Compound: Combination of metal ionically bonded with a non-metal to form a single structure.



Formula

Binary: Two Single Elements

A = metal B = non-metal



$$(x \cdot +A) + (y \cdot -B) = 0$$

Noteset 2C (Part 1)

Representative Element Ionic Bonding

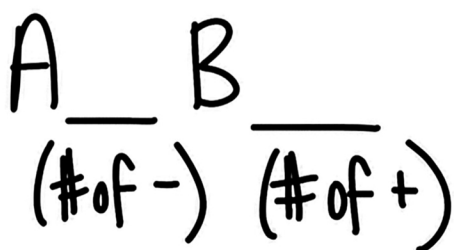
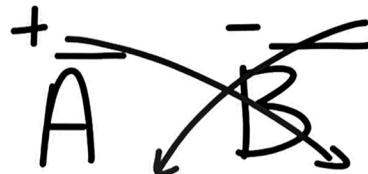
Writing Ionic Formulas

The relationship between X (#A) and Y (#B) is the Whole Number Ratio of +A and -B charges

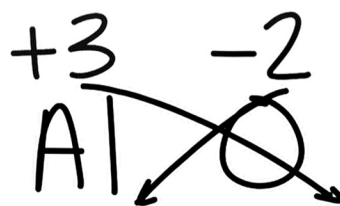
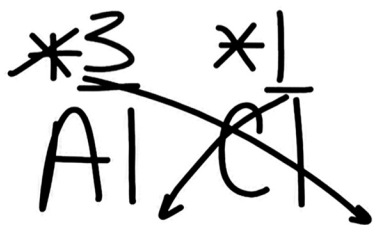
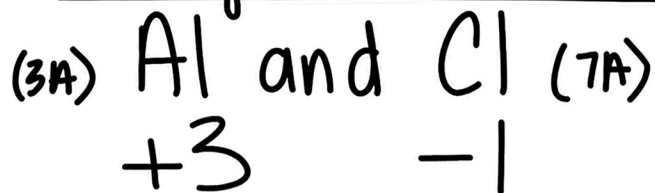
Na ₁ Cl ₁	Na = +1 Cl = -1	Ratio 1 : 1
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Cross Method

given +A and -B



Doing the Cross Method



1A:	+1
2A:	+2
3A:	+3
5A:	-3
6A:	-2
7A:	-1
Trans:	given (+)