Snapping Ions Activity (All Ions)

1. The snapping ions below can join together to form compounds.
2. Use the template below to join the positive ion and the negative ion that match each of the numbers and record the compounds in the table in the answer sheet.
   - For each compound, you will have just one <u>type</u> of positive ion and just one <u>type</u> of negative ion, but know that you may end up needing multiples of each type
3. Assemble your compound, and draw it. Be sure to label the blocks with the element symbol AND the charge.
4. Write the formula for your compound – INCLUDE THE CHARGES of the ions
   - If you have more than one of a **<u>monatomic</u>** ion, add a subscript to the bottom right of it to show how many you have
   - If you have more than one **<u>polyatomic</u>** ion (and only if you have more than one), first put parenthesis around the ion and then add a subscript to the bottom right of it to show how many you have. *Don't use parenthesis if you just have one!*
5. Name your compound by writing the positive ion name and then the negative ion name
   - For monatomic negative ions only, change the end of the name to –ide. For example, Cl^{-1} is chloride.
   - Polyatomic ions are already named. Don't do anything to change their name

Round 1:

	NH_4^{+1}	Mg^{+2}	Al^{+3}
OH^{-1}	1	2	3
SO_4^{-2}	4	5	6
PO_4^{-3}	7	8	9

Round 2:

	Na^{+1}	NH_4^{+1}	Ca^{+2}
NO_3^{-1}	1	2	3
CO_3^{-2}	4	5	6
N^{-3}	7	8	9

Round _____ Name _____

Positive Ion	Negative Ion	Drawing	Formula	Name (Positive ion name & Negative ion name)

Round _____ Name _____

Positive Ion	Negative Ion	Drawing	Formula	Name (Positive ion name & Negative ion name)

Round _____ Name _____

Positive Ion	Negative Ion	Drawing	Formula	Name (Positive ion name & Negative ion name)