

You need to know the **name** and the **charge** of the following ions. Some of them are main group elements so you can find their charges just by looking at the periodic table and counting valence electrons. The others are transition metal ions or polyatomic ions and you'll just have to memorize these. Make more flash cards!

	Ion	Name		
Group 1A	H ⁺	hydrogen ion		
	Na ⁺	sodium ion		
	K ⁺	potassium ion		
Group 2A	Mg ²⁺	magnesium ion		
	Ca ²⁺	calcium ion		
	Ba ²⁺	barium ion		
Group 3A	Al ³⁺	aluminum ion		
Group 5A	N ³⁻	nitride ion		
Group 6A	O ²⁻	oxide ion		
	S ²⁻	sulfide ion		
Group 7A	F ⁻	fluoride ion		
	Cl ⁻	chloride ion		
	Br ⁻	bromide ion		
	I ⁻	iodide ion		
Transition Metals	Cr ²⁺	chromium(II) (or chromous ion)	Cr ³⁺	chromium(III) (or chromic ion)
	Fe ²⁺	iron(II) (or ferrous ion)	Fe ³⁺	iron(III) (or ferric ion)
	Co ²⁺	cobalt(II) (or cobaltous ion)	Co ³⁺	cobalt(III) (or cobaltic ion)
	Ni ²⁺	nickel ion		
	Cu ⁺	copper(I) (or cuprous ion)	Cu ²⁺	copper(II) (or cupric ion)
	Zn ²⁺	zinc ion		
	Polyatomic Ions	NH ₄ ⁺	ammonium ion	
OH ⁻		hydroxide ion		
HCO ₃ ⁻		hydrogen carbonate ion (or bicarbonate ion)		
NO ₃ ⁻		nitrate ion		
CO ₃ ²⁻		carbonate ion		
PO ₄ ³⁻		phosphate ion		
	SO ₄ ²⁻	sulfate ion		