

Table of Common Ions

Positive Ions

Group 1		Group 2		Group 3	
lithium	Li ⁺	magnesium	Mg ²⁺	aluminium	Al ³⁺
sodium	Na ⁺	calcium	Ca ²⁺	iron III	Fe ³⁺
potassium	K ⁺	strontium	Sr ²⁺	chromium	Cr ³⁺
silver	Ag ⁺	barium	Ba ²⁺		
hydronium	H ₃ O ⁺	copper II	Cu ²⁺		
(or hydrogen)	H ⁺	lead II	Pb ²⁺		
ammonium	NH ₄ ⁺	zinc	Zn ²⁺		
copper I	Cu ⁺	manganese II	Mn ²⁺		
mercury I	Hg ⁺	iron II	Fe ²⁺		
		tin II	Sn ²⁺		

Negative Ions

Group 7		Group 6		Group 5	
fluoride	F ⁻	oxide	O ²⁻	phosphate	PO ₄ ³⁻
chloride	Cl ⁻	sulphide	S ²⁻		
bromide	Br ⁻	carbonate	CO ₃ ²⁻		
iodide	I ⁻	sulphate	SO ₄ ²⁻		
hydroxide	OH ⁻	sulphite	SO ₃ ²⁻		
nitrate	NO ₃ ⁻	dichromate	Cr ₂ O ₇ ⁻		
bicarbonate	HCO ₃ ⁻	chromate	CrO ₄ ²⁻		
bisulphate	HSO ₄ ⁻	oxalate	C ₂ O ₄ ²⁻		
nitrite	NO ₂ ⁻	thiosulphate	S ₂ O ₃ ²⁻		
chlorate	ClO ₃ ⁻	tetrathionate	S ₄ O ₆ ²⁻		
permanganate	MnO ₄ ⁻	monohydrogen phosphate	HPO ₄ ²⁻		
hypochlorite	OCl ⁻				
dihydrogen phosphate	H ₂ PO ₄ ⁻				

Positive ions will react with negative ions, and vice versa. This is the start of our chemical reactions.