

# Science - Metals

## 1. Reactivity Series of Metals

Potassium	Most reactive ↑ ↓ Least reactive
Sodium	
Calcium	
Magnesium	
Aluminium	
<i>Carbon</i>	
Zinc	
Iron	
Tin	
Lead	
<i>Hydrogen</i>	
Copper	
Silver	
Gold	
Platinum	

(elements in italics, though non-metals, have been included for comparison).

## 2. Formulae of Some Common Ions

### Positive ions

Name	Formula
Hydrogen	H <sup>+</sup>
Sodium	Na <sup>+</sup>
Silver	Ag <sup>+</sup>
Potassium	K <sup>+</sup>
Lithium	Li <sup>+</sup>
Ammonium	NH <sub>4</sub> <sup>+</sup>
Barium	Ba <sup>2+</sup>
Calcium	Ca <sup>2+</sup>
Copper (II)	Cu <sup>2+</sup>
Magnesium	Mg <sup>2+</sup>
Zinc	Zn <sup>2+</sup>
Lead	Pb <sup>2+</sup>
Iron (II)	Fe <sup>2+</sup>
Iron (III)	Fe <sup>3+</sup>
Aluminium	Al <sup>3+</sup>

### Negative ions

Name	Formula
Chloride	Cl <sup>-</sup>
Bromide	Br <sup>-</sup>
Fluoride	F <sup>-</sup>
Iodide	I <sup>-</sup>
Hydroxide	OH <sup>-</sup>
Nitrate	NO <sub>3</sub> <sup>-</sup>
Oxide	O <sup>2-</sup>
Sulphide	S <sup>2-</sup>
Sulphate	SO <sub>4</sub> <sup>2-</sup>
Carbonate	CO <sub>3</sub> <sup>2-</sup>