


Chemistry Data Sheet

1. Reactivity Series of Metals

Potassium Sodium Calcium Magnesium Aluminium <i>Carbon</i> Zinc Iron Tin Lead <i>Hydrogen</i> Copper Silver Gold Platinum	most reactive  least reactive
---	--

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

2. Formulae of Some Common Ions

Positive ions

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

Negative ions

Name	Formula
Chloride	Cl ⁻
Bromide	Br ⁻
Fluoride	F ⁻
Iodide	I ⁻
Hydroxide	OH ⁻
Nitrate	NO ₃ ⁻
Oxide	O ²⁻
Sulfide	S ²⁻
Sulfate	SO ₄ ²⁻
Carbonate	CO ₃ ²⁻

Turn over ►

3. The Periodic Table of Elements

		1	2	3	4	5	6	7	0
		1							
		H hydrogen 1							
									4
									He helium 2
7	9	Key							
Li lithium 3	Be beryllium 4	relative atomic mass atomic symbol name							
23	24	atomic (proton) number							
Na sodium 11	Mg magnesium 12								20
39	40								Ne neon 10
K potassium 19	Ca calcium 20								40
85	88								Ar argon 18
Rb rubidium 37	Sr strontium 38								84
133	137								Kr krypton 36
Cs caesium 55	Ba barium 56								131
[223]	[226]								Xe xenon 54
Fr francium 87	Ra radium 88								[222]
									[210]
									At astatine 85
									[209]
									Po polonium 84
									209
									Bi bismuth 83
									207
									Pb lead 82
									204
									Tl thallium 81
									65
									Zn zinc 30
									70
									Ga gallium 31
									73
									Ge germanium 32
									112
									Cd cadmium 48
									108
									Ag silver 47
									106
									Pd palladium 46
									192
									Ir iridium 77
									190
									Os osmium 76
									[277]
									Hs hassium 108
									[268]
									Mt meitnerium 109
									[271]
									Ds darmstadtium 110
									[272]
									Rg roentgenium 111
Elements with atomic numbers 112 – 116 have been reported but not fully authenticated									

* The Lanthanides (atomic numbers 58 – 71) and the Actinides (atomic numbers 90 – 103) have been omitted.

Cu and **Cl** have not been rounded to the nearest whole number.