


Data Sheet

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		Negative ions	
Name	Formula	Name	Formula
Hydrogen	H ⁺	Chloride	Cl ⁻
Sodium	Na ⁺	Bromide	Br ⁻
Silver	Ag ⁺	Fluoride	F ⁻
Potassium	K ⁺	Iodide	I ⁻
Lithium	Li ⁺	Hydroxide	OH ⁻
Ammonium	NH ₄ ⁺	Nitrate	NO ₃ ⁻
Barium	Ba ²⁺	Oxide	O ²⁻
Calcium	Ca ²⁺	Sulfide	S ²⁻
Copper(II)	Cu ²⁺	Sulfate	SO ₄ ²⁻
Magnesium	Mg ²⁺	Carbonate	CO ₃ ²⁻
Zinc	Zn ²⁺		
Lead	Pb ²⁺		
Iron(II)	Fe ²⁺		
Iron(III)	Fe ³⁺		
Aluminium	Al ³⁺		

Turn over ►

3. The Periodic Table of Elements

	1	2	3	4	5	6	7	0
	1 H hydrogen 1							4 He helium 2
		9 Be beryllium 4						20 Ne neon 10
	7 Li lithium 3	24 Mg magnesium 12					16 O oxygen 8	35.5 Cl chlorine 17
	23 Na sodium 11						32 S sulfur 16	40 Ar argon 18
	39 K potassium 19	40 Ca calcium 20					75 As arsenic 33	84 Kr krypton 36
	85 Rb rubidium 37	88 Sr strontium 38					122 Sb antimony 51	131 Xe xenon 54
	133 Cs caesium 55	137 Ba barium 56					207 Pb lead 82	[222] Rn radon 86
	[223] Fr francium 87	[226] Ra radium 88					209 Bi bismuth 83	[210] At astatine 85
							201 Hg mercury 80	[209] Po polonium 84
							112 Cd cadmium 48	128 Te tellurium 52
							108 Ag silver 47	127 I iodine 53
							63.5 Cu copper 29	80 Br bromine 35
							59 Ni nickel 28	79 Se selenium 34
							59 Co cobalt 27	73 Ge germanium 32
							103 Rh rhodium 45	119 Sn tin 50
							106 Pd palladium 46	122 Sb antimony 51
							192 Ir iridium 77	127 I iodine 53
							195 Pt platinum 78	[210] At astatine 85
							192 Os osmium 76	[209] Po polonium 84
							[98] Tc technetium 43	[222] Rn radon 86
							186 Re rhenium 75	[210] At astatine 85
							184 W tungsten 74	[209] Po polonium 84
							181 Ta tantalum 73	[209] Po polonium 84
							178 Hf hafnium 72	[209] Po polonium 84
							[261] Rf rutherfordium 104	[209] Po polonium 84
							[262] Db dubnium 105	[209] Po polonium 84
							[264] Bh bohrium 107	[209] Po polonium 84
							[266] Sg seaborgium 106	[209] Po polonium 84
							[277] Hs hassium 108	[209] Po polonium 84
							[271] Ds darmstadtium 110	[209] Po polonium 84
							[268] Mt meitnerium 109	[209] Po polonium 84
							[272] Rg roentgenium 111	[209] Po polonium 84
							[272] Rg roentgenium 111	[209] Po polonium 84
							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.