


Data Sheet

1. Reactivity Series of Metals

Potassium	<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: right; margin-right: 5px;">most reactive</div>  <div style="text-align: left; margin-left: 5px;">least reactive</div> </div>
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														
	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 1 H hydrogen 1 </div>							<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 4 He helium 2 </div>														
	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> relative atomic mass atomic symbol name atomic (proton) number </div>																					
7 Li lithium 3	9 Be beryllium 4	23 Na sodium 11	24 Mg magnesium 12	39 K potassium 19	40 Ca calcium 20	45 Sc scandium 21	48 Ti titanium 22	51 V vanadium 23	52 Cr chromium 24	55 Mn manganese 25	56 Fe iron 26	59 Co cobalt 27	59 Ni nickel 28	63.5 Cu copper 29	65 Zn zinc 30	70 Ga gallium 31	73 Ge germanium 32	75 As arsenic 33	79 Se selenium 34	80 Br bromine 35	84 Kr krypton 36	
85 Rb rubidium 37	88 Sr strontium 38	133 Cs caesium 55	137 Ba barium 56	89 Y yttrium 39	89 La* lanthanum 57	139 La* lanthanum 57	178 Hf hafnium 72	181 Ta tantalum 73	184 W tungsten 74	186 Re rhenium 75	[98] Tc technetium 43	101 Ru ruthenium 44	103 Rh rhodium 45	106 Pd palladium 46	112 Cd cadmium 48	115 In indium 49	119 Sn tin 50	122 Sb antimony 51	128 Te tellurium 52	127 I iodine 53	131 Xe xenon 54	
[223] Fr francium 87	[226] Ra radium 88	[227] Ac* actinium 89	[227] Ac* actinium 89	[261] Rf rutherfordium 104	[261] Rf rutherfordium 104	[262] Db dubnium 105	[262] Db dubnium 105	[264] Bh bohrium 107	[266] Sg seaborgium 106	[268] Mt meitnerium 109	[271] Ds darmstadtium 110	[272] Rg roentgenium 111	201 Hg mercury 80	204 Tl thallium 81	207 Pb lead 82	209 Bi bismuth 83	[209] Po polonium 84	[210] At astatine 85	[222] Rn radon 86			
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.