


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

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7	Li	lithium	3	9	Be	beryllium	4	11	Na	sodium	11	12	Mg	magnesium	12	13	Al	aluminium	13	14	Si	silicon	14	15	P	phosphorus	15	16	S	sulfur	16	17	Cl	chlorine	17	18	Ar	argon	18	19	F	fluorine	9	10	Ne	neon	10																																																																																																																																																																																																																																
19	K	potassium	19	20	Ca	calcium	20	21	Sc	scandium	21	22	Ti	titanium	22	23	V	vanadium	23	24	Cr	chromium	24	25	Mn	manganese	25	26	Fe	iron	26	27	Co	cobalt	27	28	Ni	nickel	28	29	Cu	copper	29	30	Zn	zinc	30	31	Ga	gallium	31	32	Ge	germanium	32	33	As	arsenic	33	34	Se	selenium	34	35	Br	bromine	35	36	Kr	krypton	36	37	Rb	rubidium	37	38	Sr	strontium	38	39	Y	yttrium	39	40	Zr	zirconium	40	41	Nb	niobium	41	42	Mo	molybdenum	42	43	Tc	technetium	43	44	Ru	ruthenium	44	45	Rh	rhodium	45	46	Pd	palladium	46	47	Ag	silver	47	48	Cd	cadmium	48	49	In	indium	49	50	Sn	tin	50	51	Sb	antimony	51	52	Te	tellurium	52	53	I	iodine	53	54	Xe	xenon	54	55	Cs	caesium	55	56	Ba	barium	56	57	La*	lanthanum	57	58	Ce	cerium	58	59	Pr	praseodymium	59	60	Nd	neodymium	60	61	Pm	promethium	61	62	Sm	samarium	62	63	Eu	europraseium	63	64	Gd	gadolinium	64	65	Tb	terbium	65	66	Dy	dysprosium	66	67	Ho	holmium	67	68	Er	erbium	68	69	Tm	thulium	69	70	Yb	ytterbium	70	71	Lu	lutetium	71	72	Hf	hafnium	72	73	Ta	tantalum	73	74	W	tungsten	74	75	Re	rhenium	75	76	Os	osmium	76	77	Ir	iridium	77	78	Pt	platinum	78	79	Au	gold	79	80	Hg	mercury	80	81	Tl	thallium	81	82	Pb	lead	82	83	Bi	bismuth	83	84	Po	polonium	84	85	At	astatine	85	86	Rn	radon	86
[223]	Fr	francium	87	[226]	Ra	radium	88	[227]	Ac*	actinium	89	[261]	Rf	rutherfordium	104	[262]	Db	dubnium	105	[266]	Sg	seaborgium	106	[264]	Bh	bohrium	107	[277]	Hs	hassium	108	[268]	Mt	meitnerium	109	[271]	Ds	darmstadtium	110	[272]	Rg	roentgenium	111	[272]	Cn	copernicium	112	[285]	Fl	flerovium	114	[286]	Mc	moscovium	115	[288]	Lr	lawrencium	103	[289]	Ts	tennessine	117	[294]	Og	oganesson	118																																																																																																																																																																																																												

* 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.