

Periodic Chart of Ions

acetate	CH ₃ COO ⁻	dichromate	Cr ₂ O ₇ ²⁻	dihydrogen phosphate	H ₂ PO ₄ ⁻
ammonium	NH ₄ ⁺	cyanide	CN ⁻	silicate	SiO ₃ ²⁻
benzoate	C ₆ H ₅ COO ⁻	hydroxide	OH ⁻	sulphate	SO ₄ ²⁻
borate	BO ₃ ³⁻	iodate	IO ₃ ⁻	sulphite	SO ₃ ²⁻
carbonate	CO ₃ ²⁻	nitrate	NO ₃ ⁻	hydrogen sulphide	HS ⁻
hydrogen carbonate	HCO ₃ ⁻	nitrite	NO ₂ ⁻	hydrogen sulphate	HSO ₄ ⁻
chlorate	ClO ₃ ⁻	oxalate	O ₂ C ₂ O ₄ ²⁻	hydrogen sulphite	HSO ₃ ⁻
hypochlorite	ClO ⁻	permanganate	MnO ₄ ⁻	thiocyanate	SCN ⁻
chromate	CrO ₄ ²⁻	phosphate	PO ₄ ³⁻	thiosulphate	S ₂ O ₃ ²⁻
		hydrogen phosphate	HPO ₄ ²⁻		

IA										VIII A											
1																					2
H ⁺ hydrogen	IIA										IIIA										He helium
3	4											5	6	7	8	9	10				
Li ⁺ lithium	Be ²⁺ beryllium											B boron	C carbon	N ³⁻ nitride	O ²⁻ oxide	F ⁻ fluoride	Ne neon				
11	12											13	14	15	16	17	18				
Na ⁺ sodium	Mg ²⁺ magnesium											Al ³⁺ aluminum	Si silicon	P ³⁻ phosphide	S ²⁻ sulfide	Cl ⁻ chloride	Ar argon				
		IIIB	IVB	VB	VIB	VII B	VIII B		IB	IIB											
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
K ⁺ potassium	Ca ²⁺ calcium	Sc ³⁺ scandium	Ti ⁴⁺ titanium (IV) Ti ³⁺ titanium (III)	V ⁵⁺ vanadium (V) V ⁴⁺ vanadium (IV)	Cr ³⁺ chromium (III) Cr ²⁺ chromium (II)	Mn ²⁺ manganese (II) Mn ⁴⁺ manganese (IV)	Fe ³⁺ iron (III) Fe ²⁺ iron (II)	Co ²⁺ cobalt (II) Co ³⁺ cobalt (III)	Ni ²⁺ nickel (II) Ni ³⁺ nickel (III)	Cu ²⁺ copper (II) Cu ⁺ copper (I)	Zn ²⁺ zinc	Ga ³⁺ gallium	Ge ⁴⁺ germanium	As ³⁻ arsenide	Se ²⁻ selenide	Br ⁻ bromide	Kr krypton				
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54				
Rb ⁺ rubidium	Sr ²⁺ strontium	Y ³⁺ yttrium	Zr ⁴⁺ zirconium	Nb ⁵⁺ niobium (V) Nb ³⁺ niobium (III)	Mo ⁶⁺ molybdenum	Tc ⁷⁺ technetium	Ru ³⁺ ruthenium (III) Ru ⁴⁺ ruthenium (IV)	Rh ³⁺ rhodium	Pd ²⁺ palladium (II) Pd ⁴⁺ palladium (IV)	Ag ⁺ silver	Cd ²⁺ cadmium	In ³⁺ indium	Sn ⁴⁺ tin (IV) Sn ²⁺ tin (II)	Sb ³⁺ antimony (III) Sb ⁵⁺ antimony (V)	Te ²⁻ telluride	I ⁻ iodide	Xe xenon				
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
Cs ⁺ cesium	Ba ²⁺ barium	La ³⁺ lanthanum	Hf ⁴⁺ hafnium	Ta ⁵⁺ tantalum	W ⁶⁺ tungsten	Re ⁷⁺ rhenium	Os ⁴⁺ osmium	Ir ⁴⁺ iridium	Pt ⁴⁺ platinum (IV) Pt ²⁺ platinum (II)	Au ³⁺ gold (III) Au ⁺ gold (I)	Hg ²⁺ mercury (II) Hg ⁺ mercury (I)	Tl ⁺ thallium (I) Tl ³⁺ thallium (III)	Pb ²⁺ lead (II) Pb ⁴⁺ lead (IV)	Bi ³⁺ bismuth (III) Bi ⁵⁺ bismuth (V)	Po ²⁺ polonium (II) Po ⁴⁺ polonium (IV)	At ⁻ astatide	Rn radon				
87	88	89																			
Fr ⁺ francium	Ra ²⁺ radium	Ac ³⁺ actinium																			

atomic number →	26	← ion charge
	Fe ³⁺	
	iron (III)	← stock name (IUPAC)
symbol →	Fe ²⁺	
	iron (II)	

58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ce ³⁺ cerium	Pr ³⁺ praseodymium	Nd ³⁺ neodymium	Pm ³⁺ promethium	Sm ³⁺ samarium (III) Sm ²⁺ samarium (II)	Eu ³⁺ europium (III) Eu ²⁺ europium (II)	Gd ³⁺ gadolinium	Tb ³⁺ terbium	Dy ³⁺ dysprosium	Ho ³⁺ holmium	Er ³⁺ erbium	Tm ³⁺ thulium	Yb ³⁺ ytterbium (III) Yb ²⁺ ytterbium (II)	Lu lutetium
90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th ⁴⁺ thorium	Pa ⁵⁺ protactinium (V) Pa ⁴⁺ protactinium (IV)	U ⁶⁺ uranium (VI) U ⁴⁺ uranium (IV)	Np ⁵⁺ neptunium	Pu ⁴⁺ plutonium (IV) Pu ⁶⁺ plutonium (VI)	Am ³⁺ americium (III) Am ⁴⁺ americium (IV)	Cm ³⁺ curium	Bk ³⁺ berkelium (III) Bk ⁴⁺ berkelium (IV)	Cf ³⁺ californium	Es ³⁺ einsteinium	Fm ³⁺ fermium	Md ²⁺ mendelevium (II) Md ³⁺ mendelevium (III)	No ²⁺ nobelium (II) No ³⁺ nobelium (III)	Gd ³⁺ lawrencium

PERIODIC TABLE OF THE ELEMENTS

1 IA																	18 VIIIA	
1 H Hydrogen 1.0079	2 IIA		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center;">14 ← Group IUPAC IVA ← Group CAS</p> <p>Atomic Number → 6 -4 Symbol → C +2 Name → Carbon +4 Selected Oxidation States</p> <p>Electron Configuration → 2-4 Atomic Mass</p> </div>										13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA	2 He Helium 4.0026
3 Li Lithium 6.941	4 Be Beryllium 9.0122											5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.179	
11 Na Sodium 22.990	12 Mg Magnesium 24.305	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII	9 VIII	10 VIII	11 IB	12 IIB	13 Al Aluminium 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulphur 32.065	17 Cl Chlorine 35.453	18 Ar Argon 39.948	
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.39	31 Ga Gallium 69.723	32 Ge Germanium 72.64	33 As Arsenic 74.922	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.80	
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.94	43 Tc Technetium (98)	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.91	46 Pd Palladium 106.42	47 Ag Silver 107.87	48 Cd Cadmium 112.41	49 In Indium 114.82	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.60	53 I Iodine 126.90	54 Xe Xenon 131.29	
55 Cs Cesium 132.91	56 Ba Barium 137.33	57-71 Lanthanide	72 Hf Hafnium 178.49	73 Ta Tantalum 180.95	74 W Tungsten 183.84	75 Re Rhenium 186.21	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.97	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.2	83 Bi Bismuth 208.98	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)	
87 Fr Francium (223)	88 Ra Radium (226)	89-103 Actinide	104 Rf Rutherfordium (261)	105 Db Dubnium (262)	106 Sg Seaborgium (266)	107 Bh Bohrium (264)	108 Hs Hassium (277)	109 Mt Meitnerium (268)	110 Uun Ununnilium (281)	111 Uuu Unununium (272)	112 Uub Ununbium (285)	113 Uut Ununtrium (284)	114 Uuq Ununquadium (289)	115 Uup Ununpentium (288)	116 Uuh Ununhexium (291)	117 Uus Ununseptium (294)	118 Uuo Ununoctium (294)	

Lanthanide

57 La Lanthanum 138.91	58 Ce Cerium 140.12	59 Pr Praseodymium 140.91	60 Nd Neodymium 144.24	61 Pm Promethium (145)	62 Sm Samarium 150.36	63 Eu Europium 151.96	64 Gd Gadolinium 157.25	65 Tb Terbium 158.93	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93	68 Er Erbium 167.26	69 Tm Thulium 168.93	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.97
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Actinide

89 Ac Actinium (227)	90 Th Thorium 232.04	91 Pa Protactinium 231.04	92 U Uranium 238.03	93 Np Neptunium (237)	94 Pu Plutonium (244)	95 Am Americium (243)	96 Cm Curium (247)	97 Bk Berkelium (247)	98 Cf Californium (251)	99 Es Einsteinium (252)	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (262)
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