

# PERIODIC TABLE OF THE ELEMENTS

										METALS ← → NON-METALS																																								
										1									18																															
										H Hydrogen 1.0									He Helium 4.0																															
										3	4												10																											
										Li Lithium 6.9	Be Beryllium 9.0												Ne Neon 20.2																											
										11	12												18																											
										Na Sodium 23.0	Mg Magnesium 24.3												Ar Argon 39.9																											
										19	20		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																						
										K Potassium 39.1	Ca Calcium 40.1		Sc Scandium 45.0	Ti Titanium 47.9	V Vanadium 50.9	Cr Chromium 52.0	Mn Manganese 54.9	Fe Iron 55.8	Co Cobalt 58.9	Ni Nickel 58.7	Cu Copper 63.5	Zn Zinc 65.4	Ga Gallium 69.7	Ge Germanium 72.6	As Arsenic 74.9	Se Selenium 79.0	Br Bromine 79.9	Kr Krypton 83.8	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54				
										Rb Rubidium 85.5	Sr Strontium 87.6		Y Yttrium 88.9	Zr Zirconium 91.2	Nb Niobium 92.9	Mo Molybdenum 95.9	Tc Technetium (98)	Ru Ruthenium 101.1	Rh Rhodium 102.9	Pd Palladium 106.4	Ag Silver 107.9	Cd Cadmium 112.4	In Indium 114.8	Sn Tin 118.7	Sb Antimony 121.8	Te Tellurium 127.6	I Iodine 126.9	Xe Xenon 131.3	55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86				
										Cs Cesium 132.9	Ba Barium 137.3		La Lanthanum 138.9	Hf Hafnium 178.5	Ta Tantalum 180.9	W Tungsten 183.8	Re Rhenium 186.2	Os Osmium 190.2	Ir Iridium 192.2	Pt Platinum 195.1	Au Gold 197.0	Hg Mercury 200.6	Tl Thallium 204.4	Pb Lead 207.2	Bi Bismuth 209.0	Po Polonium (209)	At Astatine (210)	Rn Radon (222)	58	59	60	61	62	63	64	65	66	67	68	69	70	71								
										Fr Francium (223)	Ra Radium (226)		Ac Actinium (227)	Rf Rutherfordium (261)	Db Dubnium (262)	Sg Seaborgium (263)	Bh Bohrium (262)	Hs Hassium (265)	Mt Meitnerium (266)	Ds Darmstadtium (281)	Rg Roentgenium (272)	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
										Cn Copernicium (285)	Nh Nihonium (286)	Fl Flerovium (289)	Mc Moscovium (289)	Lv Livermorium (293)	Ts Tennessine (294)	Og Oganesson (294)	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171			

Atomic Number	22	4+
Symbol	Ti	3+
Name	Titanium	
Atomic Mass	47.9	

← Ion charge(s)

Alkali Metals    Alkaline Earth Metals

Halogens    Noble Gases

Based on mass of C-12 at 12.00.  
Any value in parentheses is the mass of the most stable or best known isotope for elements which do not occur naturally.

58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ce Cerium 140.1	Pr Praseodymium 140.9	Nd Neodymium 144.2	Pm Promethium (145)	Sm Samarium 150.4	Eu Europium 152.0	Gd Gadolinium 157.3	Tb Terbium 158.9	Dy Dysprosium 162.5	Ho Holmium 164.9	Er Erbium 167.3	Tm Thulium 168.9	Yb Ytterbium 173.0	Lu Lutetium 175.0
90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th Thorium 232.0	Pa Protactinium 231.0	U Uranium 238.0	Np Neptunium (237)	Pu Plutonium (244)	Am Americium (243)	Cm Curium (247)	Bk Berkelium (247)	Cf Californium (251)	Es Einsteinium (252)	Fm Fermium (257)	Md Mendelevium (258)	No Nobelium (259)	Lr Lawrencium (262)