

PERIODIC TABLE OF THE ELEMENTS

METALS ←																		→ NON-METALS																																																																	
<table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>1</td><td>+</td></tr><tr><td>H</td><td>Hydrogen</td></tr><tr><td>1.0</td><td></td></tr></table> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>1</td><td>-</td></tr><tr><td>H</td><td>Hydrogen</td></tr><tr><td>1.0</td><td></td></tr></table> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>16</td><td>0</td></tr><tr><td>He</td><td>Helium</td></tr><tr><td>4.0</td><td></td></tr></table> <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>22</td><td>+</td></tr><tr><td>Ti</td><td>Titanium</td></tr><tr><td>47.9</td><td></td></tr></table> <table border="1" style="display: inline-table;"> <tr><td>22</td><td>+</td></tr><tr><td>Ti</td><td>Titanium</td></tr><tr><td>47.9</td><td></td></tr></table>																		1	+	H	Hydrogen	1.0		1	-	H	Hydrogen	1.0		16	0	He	Helium	4.0		22	+	Ti	Titanium	47.9		22	+	Ti	Titanium	47.9																																					
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3	+	4	2+															5	0	6	2-	7	-	8	0																																																										
Li	Lithium	Be	Beryllium															B	Boron	C	Carbon	N	Nitrogen	O	Oxygen	F	Fluorine	Ne	Neon																																																						
6.9		9.0																10.8		12.0		14.0		16.0		19.0		20.2																																																							
11	+	12	2+															13	3+	14	4+	15	3-	16	2-	17	-	18	0																																																						
Na	Sodium	Mg	Magnesium															Al	Aluminum	Si	Silicon	P	Phosphorus	S	Sulfur	Cl	Chlorine	Ar	Argon																																																						
23.0		24.3																27.0		28.1		31.0		32.1		35.5		39.9																																																							
19	+	20	2+	21	3+	22	4+	23	5+	24	3+	25	2+	26	3+	27	2+	28	3+	29	2+	30	2+	31	3+	32	4+	33	3-	34	2-	35	-	36	0																																																
K	Potassium	Ca	Calcium	Sc	Scandium	Ti	Titanium	V	Vanadium	Cr	Chromium	Mn	Manganese	Fe	Iron	Co	Cobalt	Ni	Nickel	Cu	Copper	Zn	Zinc	Ga	Gallium	Ge	Germanium	As	Arsenic	Se	Selenium	Br	Bromine	Kr	Krypton																																																
39.1		40.1		45.0		47.9		50.9		52.0		54.9		55.8		58.9		58.7		63.5		65.4		69.7		72.6		74.9		79.0		79.9		83.8																																																	
37	+	38	2+	39	3+	40	4+	41	3+	42	2+	43	7+	44	3+	45	3+	46	2+	47	+	48	2+	49	3+	50	4+	51	3+	52	2-	53	-	54	0																																																
Rb	Rubidium	Sr	Strontium	Y	Yttrium	Zr	Zirconium	Nb	Niobium	Mo	Molybdenum	Tc	Technetium	Ru	Ruthenium	Rh	Rhodium	Pd	Palladium	Ag	Silver	Cd	Cadmium	In	Indium	Sn	Tin	Sb	Antimony	Te	Tellurium	I	Iodine	Xe	Xenon																																																
85.5		87.6		88.9		91.2		92.9		95.9		(98)		101.1		102.9		106.4		107.9		112.4		114.8		118.7		121.8		127.6		126.9		131.3																																																	
55	+	56	2+	57	3+	72	4+	73	5+	74	6+	75	4+	76	3+	77	3+	78	4+	79	3+	80	2+	81	1+	82	2+	83	3+	84	2+	85	-	86	0																																																
Cs	Cesium	Ba	Barium	La	Lanthanum	Hf	Hafnium	Ta	Tantalum	W	Tungsten	Re	Rhenium	Os	Osmium	Ir	Iridium	Pt	Platinum	Au	Gold	Hg	Mercury	Tl	Thallium	Pb	Lead	Bi	Bismuth	Po	Polonium	At	Astatine	Rn	Radon																																																
132.9		137.3		138.9		178.5		180.9		183.8		186.2		190.2		192.2		196.1		197.0		200.6		204.4		207.2		208.0		(209)		(210)		(222)																																																	
87	+	88	2+	89	3+	104		105		106		107		108		109		110		111		112		113		114		115		116		117		118																																																	
Fr	Francium	Ra	Radium	Ac	Actinium	Rf	Rutherfordium	Db	Dubnium	Sg	Seaborgium	Bh	Berkelium	Hs	Hassium	Mt	Moscovium	Ds	Darmstadtium	Rg	Rogersium	Uub	Ununbium	Uut	Ununtrium	Uuq	Ununquadium	Uup	Ununpentium	Uuh	Ununhexium	Uus	Ununseptium	Uuo	Ununoctium																																																
(223)		(226)		(227)		(261)		(262)		(263)		(262)		(265)		(266)		(269)		(272)		(285)		(284)		(289)		(288)		(292)		(?)		(294)																																																	
Alkali Metals				Alkaline Earth Metals																		Halogens		Noble Gases																																																											
58	3+	59	3+	60	3+	61	3+	62	3+	63	3+	64	3+	65	3+	66	3+	67	3+	68	3+	69	3+	70	3+	71	3+	72	3+	73	3+	74	3+	75	3+																																																
Ce	Cerium	Pr	Praseodymium	Nd	Neodymium	Pm	Promethium	Sm	Samarium	Eu	Europium	Gd	Gadolinium	Tb	Terbium	Dy	Dysprosium	Ho	Holmium	Er	Erbium	Tm	Thulium	Yb	Ytterbium	Lu	Lutetium	U	Uranium	Np	Neptunium	Pu	Plutonium	Am	Americium	Cm	Curium	Bk	Berkelium	Cf	Californium	Es	Einsteinium	Fm	Fermium	Md	Mendelevium	No	Nobelium	Lr	Lawrencium																																
140.1		140.9		144.2		(145)		150.4		152.0		157.3		158.9		162.5		164.9		167.3		168.9		173.0		175.0		232.0		(237)		(244)		(243)		(247)		(247)		(251)		(252)		(257)		(258)		(259)		(262)																																	
80	4+	81	5+	82	6+	83	5+	84	4+	85	3+	86	3+	87	3+	88	3+	89	3+	90	3+	101	3+	102	2+	103	3+	104	3+	105	3+	106	3+	107	3+	108	3+	109	3+	110	3+	111	3+	112	3+	113	3+	114	3+	115	3+	116	3+	117	3+	118	3+																										
Th	Thorium	Pa	Protactinium	U	Uranium	Np	Neptunium	Pu	Plutonium	Am	Americium	Cm	Curium	Bk	Berkelium	Cf	Californium	Es	Einsteinium	Fm	Fermium	Md	Mendelevium	No	Nobelium	Lr	Lawrencium	Uuo	Ununoctium	Uuq	Ununquadium	Uup	Ununpentium	Uuh	Ununhexium	Uus	Ununseptium	Uuo	Ununoctium	Uuq	Ununquadium	Uup	Ununpentium	Uuh	Ununhexium	Uus	Ununseptium	Uuo	Ununoctium	Uuq	Ununquadium	Uup	Ununpentium	Uuh	Ununhexium	Uus	Ununseptium	Uuo	Ununoctium																								
232.0		231.0		238.0		(237)		(244)		(243)		(247)		(247)		(251)		(252)		(257)		(258)		(259)		(262)		(294)		(289)		(288)		(292)		(?)		(294)		(285)		(284)		(289)		(288)		(292)		(?)		(294)		(285)		(284)		(289)		(288)		(292)		(?)		(294)																	

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.