

# PERIODIC TABLE OF THE ELEMENTS

1	2																																		
H Hydrogen 1.00797	He Helium 4.0026																																		
3	4	5	6	7	8	9	10																												
Li Lithium 6.939	Be Beryllium 9.0122	B Boron 10.811	C Carbon 12.01115	N Nitrogen 14.0067	O Oxygen 15.9994	F Fluorine 18.9984	Ne Neon 20.183																												
11	12	13	14	15	16	17	18																												
Na Sodium 22.9898	Mg Magnesium 24.312	Al Aluminum 26.9815	Si Silicon 28.086	P Phosphorus 30.9738	S Sulfur 32.064	Cl Chlorine 35.453	Ar Argon 39.948																												
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																		
K Potassium 39.102	Ca Calcium 40.08	Sc Scandium 44.956	Ti Titanium 47.90	V Vanadium 50.942	Cr Chromium 51.996	Mn Manganese 54.9380	Fe Iron 55.847	Co Cobalt 58.9332	Ni Nickel 58.71	Cu Copper 63.546	Zn Zinc 65.37	Ga Gallium 69.72	Ge Germanium 72.59	As Arsenic 74.9216	Se Selenium 78.96	Br Bromine 79.904	Kr Krypton 83.80																		
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54																		
Rb Rubidium 85.47	Sr Strontium 87.62	Y Yttrium 88.905	Zr Zirconium 91.22	Nb Niobium 92.906	Mo Molybdenum 95.94	Tc Technetium (99)	Ru Ruthenium 101.07	Rh Rhodium 102.905	Pd Palladium 106.4	Ag Silver 107.868	Cd Cadmium 112.40	In Indium 114.82	Sn Tin 118.69	Sb Antimony 121.75	Te Tellurium 127.60	I Iodine 126.9044	Xe Xenon 131.30																		
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86																		
Cs Cesium 132.905	Ba Barium 137.34	La Lanthanum 138.91	Hf Hafnium 179.49	Ta Tantalum 180.948	W Tungsten 183.85	Re Rhenium 186.2	Os Osmium 190.2	Ir Iridium 192.2	Pt Platinum 195.09	Au Gold 196.967	Hg Mercury 200.59	Tl Thallium 204.37	Pb Lead 207.19	Bi Bismuth 208.980	Po Polonium (210)	At Astatine (210)	Rn Radon (222)																		
87	88	89	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118																		
Fr Francium (223)	Ra Radium (226)	Ac Actinium (227)	Rf Rutherfordium (261)	Db Dubnium (262)	Sg Seaborgium (266)	Bh Bohrium (264)	Hs Hassium (269)	Mt Meitnerium (268)	Uun Ununium (269)	Uuu Unununium (272)	Uub Unubium (277)	Uut Ununtrium (285)	Uuq Ununquadium (285)	Uup Ununpentium (289)	Uuh Ununhexium (289)	Uus Ununseptium (293)	Uuo Ununoctium (293)																		
																		Lanthanide Series																	
																		58	59	60	61	62	63	64	65	66	67	68	69	70	71				
																		Ce Cerium 140.12	Pr Praseodymium 140.907	Nd Neodymium 144.24	Pm Promethium (145)	Sm Samarium 150.35	Eu Europium 151.96	Gd Gadolinium 157.25	Tb Terbium 158.924	Dy Dysprosium 162.50	Ho Holmium 164.930	Er Erbium 167.26	Tm Thulium 168.934	Yb Ytterbium 173.04	Lu Lutetium 174.97				
																		90	91	92	93	94	95	96	97	98	99	100	101	102	103				
																		Th Thorium 232.038	Pa Protactinium (231)	U Uranium 238.03	Np Neptunium (237)	Pu Plutonium (242)	Am Americium (243)	Cm Curium (247)	Bk Berkelium (247)	Cf Californium (251)	Es Einsteinium (254)	Fm Fermium (257)	Md Mendelevium (258)	No Nobelium (259)	Lr Lawrencium (260)				
																		Actinide Series																	

§ Note: Elements 113, 115, and 117 are not known at this time, but are included in the table to show their expected positions