## **The Periodic Table of the Elements**

1																	2
H																	He
Hydrogen 1.00794																	Helium 4.003
3	4											5	6	7	8	9	10
Li	Be											В	$\mathbf{C}$	N	O	$\mathbf{F}$	Ne
Lithium 6.941	Beryllium 9.012182											Boron 10.811	Carbon 12.0107	Nitrogen 14.00674	Oxygen 15.9994	Fluorine 18.9984032	Neon 20.1797
11	12											13	14	15	16	17	18
Na	Mg											Al	Si	P	$\mathbf{S}$	Cl	Ar
Sodium 22.989770	Magnesium 24.3050											Aluminum 26.981538	Silicon 28.0855	Phosphorus 30.973761	Sulfur 32.066	Chlorine 35.4527	Argon 39.948
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
K	Ca	Sc	Ti	$\mathbf{V}$	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Potassium 39.0983	Calcium 40.078	Scandium 44.955910	Titanium 47.867	Vanadium 50.9415	Chromium 51.9961	Manganese 54.938049	Iron 55.845	Cobalt 58.933200	Nickel 58.6934	Copper 63.546	Zinc 65.39	Gallium 69.723	Germanium 72.61	Arsenic 74.92160	Selenium 78.96	Bromine 79.904	Krypton 83.80
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Rubidium 85.4678	Strontium 87.62	Yttrium 88.90585	Zirconium 91.224	Niobium 92.90638	Molybdenum 95.94	Technetium (98)	Ruthenium 101.07	Rhodium 102.90550	Palladium 106.42	Silver 107.8682	Cadmium 112.411	Indium 114.818	Tin 118.710	Antimony 121.760	Tellurium 127.60	Iodine 126.90447	Xenon 131.29
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	Ba	La	Hf	Ta	$\mathbf{W}$	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Cesium 132.90545	Barium 137.327	Lanthanum 138.9055	Hafnium 178.49	Tantalum 180.9479	Tungsten 183.84	Rhenium 186.207	Osmium 190.23	Iridium 192.217	Platinum 195.078	Gold 196.96655	Mercury 200.59	Thallium 204.3833	Lead 207.2	Bismuth 208.98038	Polonium (209)	Astatine (210)	Radon (222)
87	88	89	104	105	106	107	108	109	110	111	112	113	114				
Fr	Ra	Ac	Rf	Db	$\mathbf{S}\mathbf{g}$	Bh	Hs	Mt									
Francium (223)	Radium (226)	Actinium (227)	Rutherfordium (261)	Dubnium (262)	Seaborgium (263)	Bohrium (262)	Hassium (265)	Meitnerium (266)	(269)	(272)	(277)						

58	59	60	61	62	63	64	65	66	67	68	69	70	71
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	$\mathbf{D}\mathbf{y}$	Ho	Er	Tm	Yb	Lu
Cerium 140.116	Praseodymium 140.90765	Neodymium 144.24	Promethium (145)	Samarium 150.36	Europium 151.964	Gadolinium 157.25	Terbium 158.92534	Dysprosium 162.50	Holmium 164.93032	Erbium 167.26	Thulium 168.93421	Ytterbium 173.04	Lutetium 174.967
90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th	Pa	$\mathbf{U}$	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
Thorium 232.0381	Protactinium 231.03588	Uranium 238.0289	Neptunium (237)	Plutonium (244)	Americium (243)	Curium (247)	Berkelium (247)	Californium (251)	Einsteinium (252)	Fermium (257)	Mendelevium (258)	Nobelium (259)	Lawrencium (262)