

# PERIODIC TABLE OF THE ELEMENTS

1 <b>1A</b>																	18 <b>8A</b>	
1 <b>H</b> 1.01	2 <b>2A</b>											13 <b>3A</b>	14 <b>4A</b>	15 <b>5A</b>	16 <b>6A</b>	17 <b>7A</b>	2 <b>He</b> 4.00	
3 <b>Li</b> 6.94	4 <b>Be</b> 9.01											5 <b>B</b> 10.81	6 <b>C</b> 12.01	7 <b>N</b> 14.01	8 <b>O</b> 16.00	9 <b>F</b> 19.00	10 <b>Ne</b> 20.18	
11 <b>Na</b> 23.0	12 <b>Mg</b> 24.3	3 <b>3B</b>	4 <b>4B</b>	5 <b>5B</b>	6 <b>6B</b>	7 <b>7B</b>	8 <b>8B</b>	9	10	11 <b>1B</b>	12 <b>2B</b>	13 <b>Al</b> 27.0	14 <b>Si</b> 28.1	15 <b>P</b> 31.0	16 <b>S</b> 32.1	17 <b>Cl</b> 35.5	18 <b>Ar</b> 39.9	
19 <b>K</b> 39.1	20 <b>Ca</b> 40.1	21 <b>Sc</b> 45.0	22 <b>Ti</b> 47.9	23 <b>V</b> 50.9	24 <b>Cr</b> 52.0	25 <b>Mn</b> 54.9	26 <b>Fe</b> 55.8	27 <b>Co</b> 58.9	28 <b>Ni</b> 58.7	29 <b>Cu</b> 63.5	30 <b>Zn</b> 65.4	31 <b>Ga</b> 69.7	32 <b>Ge</b> 72.6	33 <b>As</b> 74.9	34 <b>Se</b> 79.0	35 <b>Br</b> 79.9	36 <b>Kr</b> 83.8	
37 <b>Rb</b> 85.5	38 <b>Sr</b> 87.6	39 <b>Y</b> 88.9	40 <b>Zr</b> 91.2	41 <b>Nb</b> 92.9	42 <b>Mo</b> 95.9	43 <b>Tc</b> (98.9)	44 <b>Ru</b> 101.1	45 <b>Rh</b> 102.9	46 <b>Pd</b> 106.4	47 <b>Ag</b> 107.9	48 <b>Cd</b> 112.4	49 <b>In</b> 114.8	50 <b>Sn</b> 118.7	51 <b>Sb</b> 121.8	52 <b>Te</b> 127.6	53 <b>I</b> 126.9	54 <b>Xe</b> 131.3	
55 <b>Cs</b> 132.9	56 <b>Ba</b> 137.3	57–71	72 <b>Hf</b> 178.5	73 <b>Ta</b> 180.9	74 <b>W</b> 183.9	75 <b>Re</b> 186.2	76 <b>Os</b> 190.2	77 <b>Ir</b> 192.2	78 <b>Pt</b> 195.1	79 <b>Au</b> 197.0	80 <b>Hg</b> 200.6	81 <b>Tl</b> 204.4	82 <b>Pb</b> 207.2	83 <b>Bi</b> 209.0	84 <b>Po</b> (209)	85 <b>At</b> (210)	86 <b>Rn</b> (222)	
87 <b>Fr</b> (223)	88 <b>Ra</b> (226)	89–103	104 <b>Rf</b> (261)	105 <b>Db</b> (262)	106 <b>Sg</b> (266)	107 <b>Bh</b> (264)	108 <b>Hs</b> (277)	109 <b>Mt</b> (268)	110 <b>Ds</b> (271)	111 <b>Rg</b> (282)	112 <b>Cn</b> (285)	113 <b>Nh</b> (286)	114 <b>Fl</b> (289)	115 <b>Mc</b> (289)	116 <b>Lv</b> (293)	117 <b>Ts</b> (294)	118 <b>Og</b> (294)	

Lanthanide Series	57 <b>La</b> 138.9	58 <b>Ce</b> 140.1	59 <b>Pr</b> 140.9	60 <b>Nd</b> 144.2	61 <b>Pm</b> (145)	62 <b>Sm</b> 150.4	63 <b>Eu</b> 152.0	64 <b>Gd</b> 157.3	65 <b>Tb</b> 158.9	66 <b>Dy</b> 162.5	67 <b>Ho</b> 164.9	68 <b>Er</b> 167.3	69 <b>Tm</b> 168.9	70 <b>Yb</b> 173.0	71 <b>Lu</b> 175.0
Actinide Series	89 <b>Ac</b> (227)	90 <b>Th</b> 232.0	91 <b>Pa</b> 231.0	92 <b>U</b> 238.0	93 <b>Np</b> (237)	94 <b>Pu</b> (244)	95 <b>Am</b> (243)	96 <b>Cm</b> (247)	97 <b>Bk</b> (247)	98 <b>Cf</b> (251)	99 <b>Es</b> (252)	100 <b>Fm</b> (257)	101 <b>Md</b> (258)	102 <b>No</b> (259)	103 <b>Lr</b> (262)

Atomic Number	Abbreviation	Element	Atomic Number	Abbreviation	Element	Atomic Number	Abbreviation	Element
1	H	Hydrogen	41	Nb	Niobium	81	Tl	Thallium
2	He	Helium	42	Mo	Molybdenum	82	Pb	Lead
3	Li	Lithium	43	Tc	Technetium	83	Bi	Bismuth
4	Be	Beryllium	44	Ru	Ruthenium	84	Po	Polonium
5	B	Boron	45	Rh	Rhodium	85	At	Astatine
6	C	Carbon	46	Pd	Palladium	86	Rn	Radon
7	N	Nitrogen	47	Ag	Silver	87	Fr	Francium
8	O	Oxygen	48	Cd	Cadmium	88	Ra	Radium
9	F	Fluorine	49	In	Indium	89	Ac	Actinium
10	Ne	Neon	50	Sn	Tin	90	Th	Thorium
11	Na	Sodium	51	Sb	Antimony	91	Pa	Protactinium
12	Mg	Magnesium	52	Te	Tellurium	92	U	Uranium
13	Al	Aluminum	53	I	Iodine	93	Np	Neptunium
14	Si	Silicon	54	Xe	Xenon	94	Pu	Plutonium
15	P	Phosphorus	55	Cs	Cesium	95	Am	Americium
16	S	Sulfur	56	Ba	Barium	96	Cm	Curium
17	Cl	Chlorine	57	La	Lanthanum	97	Bk	Berkelium
18	Ar	Argon	58	Ce	Cerium	98	Cf	Californium
19	K	Potassium	59	Pr	Praseodymium	99	Es	Einsteinium
20	Ca	Calcium	60	Nd	Neodymium	100	Fm	Fermium
21	Sc	Scandium	61	Pm	Promethium	101	Md	Mendelevium
22	Ti	Titanium	62	Sm	Samarium	102	No	Nobelium
23	V	Vanadium	63	Eu	Europium	103	Lr	Lawrencium
24	Cr	Chromium	64	Gd	Gadolinium	104	Rf	Rutherfordium
25	Mn	Manganese	65	Tb	Terbium	105	Db	Dubnium
26	Fe	Iron	66	Dy	Dysprosium	106	Sg	Seaborgium
27	Co	Cobalt	67	Ho	Holmium	107	Bh	Bohrium
28	Ni	Nickel	68	Er	Erbium	108	Hs	Hassium
29	Cu	Copper	69	Tm	Thulium	109	Mt	Meitnerium
30	Zn	Zinc	70	Yb	Ytterbium	110	Ds	Darmstadtium
31	Ga	Gallium	71	Lu	Lutetium	111	Rg	Roentgenium
32	Ge	Germanium	72	Hf	Hafnium	112	Cn	Copernicium
33	As	Arsenic	73	Ta	Tantalum	113	Nh	Nihonium
34	Se	Selenium	74	W	Tungsten	114	Fl	Flerovium
35	Br	Bromine	75	Re	Rhenium	115	Mc	Moscovium
36	Kr	Krypton	76	Os	Osmium	116	Lv	Livermorium
37	Rb	Rubidium	77	Ir	Iridium	117	Ts	Tennesine
38	Sr	Strontium	78	Pt	Platinum	118	Og	Oganesson
39	Y	Yttrium	79	Au	Gold			
40	Zr	Zirconium	80	Hg	Mercury			