

# Periodic Table of the Elements

Group (Family)																		8A																			
																		18																			
Period	1																	4.00																			
																		2																			
																		18																			
		1A																	8A																		
		1																	18																		
		1																	2																		
		1																	18																		
	2	6.94																10.81		12.01		14.01		16.00		19.00		20.18									
	2	3																5		6		7		8		9		10									
	2	Lithium																Boron		Carbon		Nitrogen		Oxygen		Fluorine		Neon									
	3	22.99		24.31																26.98		28.09		30.97		32.06		35.45		39.95							
	3	11		12		3B		4B		5B		6B		7B		8B			1B		2B		13		14		15		16		17						
	3	Sodium		Magnesium		3		4		5		6		7		8			11		12		Aluminum		Silicon		Phosphorus		Sulfur		Chlorine		Argon				
	4	39.10		40.08		44.96		47.88		50.94		52.00		54.94		55.85		58.93		58.69		63.55		65.39		69.72		72.59		74.92		78.96		79.90		83.80	
	4	19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36	
	4	Potassium		Calcium		Scandium		Titanium		Vanadium		Chromium		Manganese		Iron		Cobalt		Nickel		Copper		Zinc		Gallium		Germanium		Arsenic		Selenium		Bromine		Krypton	
	5	85.47		87.62		88.91		91.22		92.91		95.94		(98)		101.07		102.91		106.42		107.87		112.41		114.82		118.71		121.75		127.60		126.91		131.29	
	5	37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54	
	5	Rubidium		Strontium		Yttrium		Zirconium		Niobium		Molybdenum		Technetium		Ruthenium		Rhodium		Palladium		Silver		Cadmium		Indium		Tin		Antimony		Tellurium		Iodine		Xenon	
	6	132.91		137.33				178.49		180.95		183.85		186.21		190.23		192.22		195.08		196.97		200.59		204.38		207.2		208.98		(209)		(210)		(222)	
	6	55		56				72		73		74		75		76		77		78		79		80		81		82		83		84		85		86	
	6	Cesium		Barium				Hafnium		Tantalum		Tungsten		Rhenium		Osmium		Iridium		Platinum		Gold		Mercury		Thallium		Lead		Bismuth		Polonium		Astatine		Radon	
	7	(223)		(226)				(267)		(268)		(271)		(272)		(277)		(276)		(281)		(280)															
	7	87		88				104		105		106		107		108		109		110		111															
	7	Francium		Radium				Rutherfordium		Dubnium		Seaborgium		Bohrium		Hassium		Meitnerium		Darmstadtium		Roentgenium															

**Key:**

atomic weight
Symbol
atomic number
Name

Mass numbers in parentheses are those of the most stable or most common isotope.

Lanthanide Series	138.91	140.12	140.91	144.24	(145)	150.36	151.96	157.25	158.93	162.50	164.93	167.26	168.93	173.04	174.97
	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
	Lanthanum	Cerium	Praseodymium	Neodymium	Promethium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
Actinide Series	(227)	232.04	231.04	238.03	(237)	(244)	(243)	(247)	(247)	(251)	(252)	(257)	(258)	(259)	(262)
	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
	Actinium	Thorium	Protactinium	Uranium	Neptunium	Plutonium	Americium	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lawrencium

\*Revised based on IUPAC Commission on Atomic Weights and Isotopic Abundances, "Atomic Weights of the Elements 2007."