

Periodic Table of the Elements

Group (Family)
1A 1

1.01 1	H 1 Hydrogen
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Key:

atomic weight
Symbol
atomic number
Name

8A 18

4.00 2	He 2 Helium
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Period	1	2A 2	3B 3	4B 4	5B 5	6B 6	7B 7	8B 8, 9, 10	1B 11	2B 12	3A 13	4A 14	5A 15	6A 16	7A 17	8A 18		
1	H															He		
2	Li	Be									B	C	N	O	F	Ne		
	Lithium	Beryllium									Boron	Carbon	Nitrogen	Oxygen	Fluorine	Neon		
3	Na	Mg									Al	Si	P	S	Cl	Ar		
	Sodium	Magnesium									Aluminum	Silicon	Phosphorus	Sulfur	Chlorine	Argon		
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
	Potassium	Calcium	Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper	Zinc	Gallium	Germanium	Arsenic	Selenium	Bromine	Krypton
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
	Rubidium	Strontium	Yttrium	Zirconium	Niobium	Molybdenum	Technetium	Ruthenium	Rhodium	Palladium	Silver	Cadmium	Indium	Tin	Antimony	Tellurium	Iodine	Xenon
6	Cs	Ba		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
	Cesium	Barium		Hafnium	Tantalum	Tungsten	Rhenium	Osmium	Iridium	Platinum	Gold	Mercury	Thallium	Lead	Bismuth	Polonium	Astatine	Radon
7	Fr	Ra		Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg							
	Francium	Radium		Rutherfordium	Dubnium	Seaborgium	Bohrium	Hassium	Meitnerium	Darmstadtium	Roentgenium							

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

Lanthanide Series

Actinide Series

138.91	140.12	140.91	144.24	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	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
57	58	59	60	61	63	64	65	66	67	68	69	70	71
Lanthanum	Cerium	Praseodymium	Neodymium	Promethium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
(227)	232.04	231.04	238.03	(237)	(243)	(247)	(247)	(251)	(252)	(257)	(258)	(259)	(262)
Ac	Th	Pa	U	Np	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
89	90	91	92	93	95	96	97	98	99	100	101	102	103
Actinium	Thorium	Protactinium	Uranium	Neptunium	Americium	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lawrencium
(227)	232.04	231.04	238.03	(237)	(243)	(247)	(247)	(251)	(252)	(257)	(258)	(259)	(262)

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