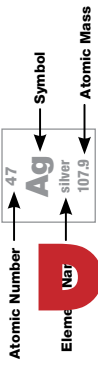


GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IA ***	IIA	IIIB	IVB	VB	VIB	VIIIB	VIIIB	VIIIB	VIIIB	VIIIB	IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	<b>H</b> hydrogen [1.007, 1.009]	<b>He</b> helium 4.003																<b>He</b> helium 4.003
2	<b>Li</b> lithium [6.938, 6.997]	<b>Be</b> beryllium 9.012											<b>B</b> boron [10.81, 10.81]	<b>C</b> carbon [12.00, 12.02]	<b>N</b> nitrogen [14.00, 14.01]	<b>O</b> oxygen [15.99, 16.00]	<b>F</b> fluorine 19.00	<b>Ne</b> neon 20.18
3	<b>Na</b> sodium [23.30, 24.31]	<b>Mg</b> magnesium 24.31											<b>Al</b> aluminum [26.98, 26.99]	<b>Si</b> silicon [28.08, 28.09]	<b>P</b> phosphorus 30.97	<b>S</b> sulfur [32.05, 32.08]	<b>Cl</b> chlorine [35.44, 35.46]	<b>Ar</b> argon 39.95
4	<b>K</b> potassium 39.10	<b>Ca</b> calcium 40.08	<b>Sc</b> scandium 44.96	<b>Ti</b> titanium 47.87	<b>V</b> vanadium 50.94	<b>Cr</b> chromium 52.00	<b>Mn</b> manganese 54.94	<b>Fe</b> iron 55.85	<b>Co</b> cobalt 58.93	<b>Ni</b> nickel 58.69	<b>Cu</b> copper 63.55	<b>Zn</b> zinc 65.38(2)	<b>Ga</b> gallium 69.72	<b>Ge</b> germanium 72.63	<b>As</b> arsenic 74.92	<b>Se</b> selenium 78.97	<b>Br</b> bromine [79.90, 79.91]	<b>Kr</b> krypton 83.80
5	<b>Rb</b> rubidium 85.47	<b>Sr</b> strontium 87.62	<b>Y</b> yttrium 88.91	<b>Zr</b> zirconium 91.22	<b>Nb</b> niobium 92.91	<b>Mo</b> molybdenum 95.94	<b>Tc</b> technetium [98]	<b>Ru</b> ruthenium 101.1	<b>Rh</b> rhodium 102.9	<b>Pd</b> palladium 106.37	<b>Ag</b> silver 107.87	<b>Cd</b> cadmium 112.4	<b>In</b> indium 114.82	<b>Sn</b> tin 118.7	<b>Sb</b> antimony 121.8	<b>Te</b> tellurium 127.6	<b>I</b> iodine 126.9	<b>Xe</b> xenon 131.3
6	<b>Cs</b> caesium 132.9	<b>Ba</b> barium 137.3	Lanthanoids	<b>Hf</b> hafnium 178.5	<b>Ta</b> tantalum 180.9	<b>W</b> tungsten 183.8	<b>Re</b> rhenium 186.2	<b>Ru</b> ruthenium 101.1	<b>Rh</b> rhodium 102.9	<b>Pd</b> palladium 106.37	<b>Ag</b> silver 107.87	<b>Cd</b> cadmium 112.4	<b>In</b> indium 114.82	<b>Sn</b> tin 118.7	<b>Sb</b> antimony 121.8	<b>Te</b> tellurium 127.6	<b>I</b> iodine 126.9	<b>Xe</b> xenon 131.3
7	<b>Fr</b> francium (223)	<b>Ra</b> radium (226)	Actinoids	<b>Rf</b> rutherfordium (267)	<b>Db</b> dubnium (268)	<b>Sg</b> seaborgium (271)	<b>Bh</b> bohrium (272)	<b>Hs</b> hassium (277)	<b>Mt</b> meitnerium (276)	<b>Ds</b> darmstadtium (281)	<b>Rg</b> roentgenium (282)	<b>Cn</b> copernicium (285)	<b>Nh</b> nihonium (286)	<b>Fl</b> flerovium (289)	<b>Mc</b> moscovium (288)	<b>Lv</b> livermorium (293)	<b>Ts</b> tennessine (294)	<b>Og</b> oganeson (294)
				<b>La</b> lanthanum 138.90547	<b>Ce</b> cerium 140.116	<b>Pr</b> praseodymium 140.907	<b>Nd</b> neodymium 144.242	<b>Pm</b> promethium (147)	<b>Sm</b> samarium 150.36	<b>Eu</b> europium 151.964	<b>Gd</b> gadolinium 157.25	<b>Tb</b> terbium 158.92535	<b>Dy</b> dysprosium 162.5001	<b>Ho</b> holmium 164.93033	<b>Er</b> erbium 167.259	<b>Tm</b> thulium 168.93422	<b>Yb</b> ytterbium 173.054	<b>Lu</b> lutetium 174.9668
				<b>Ac</b> actinium (227)	<b>Th</b> thorium 232.0377	<b>Pa</b> protactinium 231.03688	<b>U</b> uranium 238.02891	<b>Np</b> neptunium (237)	<b>Pu</b> plutonium (244)	<b>Am</b> americium (243)	<b>Cm</b> curium (247)	<b>Bk</b> berkelium (247)	<b>Cf</b> californium (251)	<b>Es</b> einsteinium (252)	<b>Fm</b> fermium (257)	<b>Md</b> mendelevium (258)	<b>No</b> nobelium (259)	<b>Lr</b> lawrencium (262)

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Group IA (excluding Hydrogen) comprises the alkali metals.  
 Group IIA comprises the alkaline-earth metals.  
 Group VIIIA comprises the noble gases.

\* IUPAC conventional atomic weights; standard atomic weights for these elements are expressed in intervals; see iupac.org for an explanation and values. \*\* Numbering system adopted by IUPAC. \*\*\* Numbering system widely used from the mid-20th century. ( ) indicates the mass number of the longest-lived isotope.