



Introductory Chemistry

SIXTH EDITION in SI Units

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Periodic Table of the Elements

	GROUP 1 1A								
1	1 H 1.01 hydrogen	2 2A	1 — Atomic number H — Element symbol 1.01 — Atomic mass* hydrogen — Element symbol						vmbol ss*
2	3 Li 6.94 lithium	4 Be 9.01 beryllium						Element na	ame
3	11 Na 22.99 sodium	Mg 24.31 magnesium	3 3B	4 4B	5 5B	6 6B	7 7B	8 8B	9 8B
PERIOD 4	19 K 39.10 potassium	20 Ca 40.08 calcium	21 Sc 44.96 scandium	22 Ti 47.88 titanium	23 V 50.94 vanadium	24 Cr 52.00 chromium	25 Mn 54.94 manganese	26 Fe 55.85 iron	27 Co 58.93 cobalt
5	37 Rb 85.47 rubidium	38 Sr 87.62 strontium	39 Y 88.91 yttrium	40 Zr 91.22 zirconium	41 Nb 92.91 niobium	42 Mo 95.95 molybdenum	43 Tc (99) technetium	44 Ru 101.07 ruthenium	45 Rh 102.91 rhodium
6	55 Cs 132.91 cesium	56 Ba 137.33 barium	57 La 138.91 lanthanum	72 Hf 178.49 hafnium	73 Ta 180.95 tantalum	74 W 183.85 tungsten	75 Re 186.21 rhenium	76 Os 190.23 osmium	77 Ir 192.22 iridium
7	87 Fr (223) francium	88 Ra (226) radium	89 Ac (227) actinium	104 Rf (261) rutherfordium	105 Db (262) dubnium	106 Sg (263) seaborgium	107 Bh (262) bohrium	Hs (265) hassium	109 Mt (266) meitnerium
				58 Ca	59 D r	60 Nd	61 Pm	62 Sm	63 F 11

Lanthanide series

Actinide series

58	59	60	61	62	63
Ce	Pr	Nd	Pm	Sm	Eu
140.12	140.91	144.24	(147)	150.36	151.97
cerium	praseodymium	neodymium	promethium	samarium	europium
90	91	92	93	94	95
Th	Pa	U	Np	Pu	Am
(232)	(231)	(238)	(237)	(244)	(243)
thorium	protactinium	uranium	neptunium	plutonium	americium

^{*}The mass number of an important radioactive isotope—not the atomic mass—is shown in parentheses for those elements with no stable isotopes.

Introductory Chemistry, SI Edition

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