

Representative elements												Representative elements					Noble gases
GROUP NUMBER												GROUP NUMBER					18
1	2											13	14	15	16	17	0
IA	IIA											III B	IV B	V B	VI B	VII B	
		<i>d</i> -Transition elements															
		GROUP NUMBER															
		3	4	5	6	7	8	9	10	11	12						
		III A	IV A	V A	VI A	VII A	← VIII →			I B	II B						
1																	
2																	
3																	
4																	
5																	
6																	
7																	

<i>f</i> - Inner transition elements														
*Lanthanoids $4f^n 5d^0 6s^2$	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
	$4f^2 5d^0 6s^2$	$4f^3 5d^0 6s^2$	$4f^4 5d^0 6s^2$	$4f^5 5d^0 6s^2$	$4f^6 5d^0 6s^2$	$4f^7 5d^0 6s^2$	$4f^7 5d^1 6s^2$	$4f^9 5d^0 6s^2$	$4f^{10} 5d^0 6s^2$	$4f^{11} 5d^0 6s^2$	$4f^{12} 5d^0 6s^2$	$4f^{13} 5d^0 6s^2$	$4f^{14} 5d^0 6s^2$	$4f^{14} 5d^1 6s^2$
**Actinoids $5f^n 6d^0 7s^2$	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr
	$5f^0 6d^2 7s^2$	$5f^2 6d^1 7s^2$	$5f^3 6d^1 7s^2$	$5f^4 6d^1 7s^2$	$5f^6 6d^0 7s^2$	$5f^7 6d^0 7s^2$	$5f^7 6d^1 7s^2$	$5f^9 6d^0 7s^2$	$5f^{10} 6d^0 7s^2$	$5f^{11} 6d^0 7s^2$	$5f^{12} 6d^0 7s^2$	$5f^{13} 6d^0 7s^2$	$5f^{14} 6d^0 7s^2$	$5f^{14} 6d^1 7s^2$

Long form of the Periodic Table of the Elements with their atomic numbers and ground state outer electronic configurations. The groups are numbered 1-18 in accordance with the 1984 IUPAC recommendations. This notation replaces the old numbering scheme of IA–VIIA, VIII, IB–VIIB and 0 for the elements.