

Proposal of Super Long Format for the Periodic Table*¹⁾

Keinosuke HAMADA

Department of Chemistry, Faculty of
Education, Nagasaki University,
Nagasaki 852, Japan

(Received October 31, 1984)

The report, "Confusion in the Periodic Table of the Elements" was published in the Journal of Chemical Education¹⁾ and asked for comments and suggestions to solve the present confusion caused by the use of the type (a) and the type (b) of Table 1 in the subgroups of long form of the periodic table.

Table 1 Various Classifications of Subgroups in Long Format for Periodic Table

(a)	IA	IIA	IIIA	IVA	VA	VIA	VIIA	VIIIA		IB	IIB	IIIB	IVB	VB	VIB	VIIA	VIIIB	
(b)	IA	IIA	IIIB	IVB	VB	VIB	VIIIB	VIIIB		IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA	
(c)	1	2	3d	4d	5d	6d	7d	8d	9d	10d	11d	12d	13	14	15	16	17	18
	H																	He
	Li	Be											B	C	N	O	F	Ne
	Na	Mg											Al	Si	P	S	Cl	Ar
	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
	Fr	Ra	Ac															
	3f	┌Ce		Pt	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu		
		└Th		Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr		

The Journal²⁾ also has reported that the comments and suggestions arising from the above and the other efforts to publicize the problem as widely as possible, produced a large number and variety of possible schemes for designating subgroups of elements in the periodic table, and finally the type (c) of Table 1 was selected for recommendation to the ACS Committee on Nomenclature as the official periodic table format of the American Chemical Society, at a meeting of the Nomenclature Committee of the ACS Division of Inorganic Chemistry in Washington, D. C., on August 29, 1983. However the present author should like to recommend the super long

