

The Periodic Table of Elements – Lengths v.1.6

GROUP →	IA	IIA	IIIB	IVB	VB	VIB	VII B	VIII B	IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA		
PERIOD ↓	s	s	d	d	d	d	d	d	d	d	p	p	p	p	p	p		
1	H 02:01															He 09:02		
2	Li 03:03	Be 04:04										B 05:05	C 06:06	N 07:07	O 08:08	F 09:09	Ne 10:10	
3	Na 04:11	Mg 05:12										Al 06:13	Si 07:14	P 08:15	S 09:16	Cl 10:17	Ar 11:18	
4	K 05:19	Ca 06:20	Sc 04:21	Ti 04:22	V 04:23	Cr 04:24	Mn 04:25	Fe 04:26	Co 04:27	Ni 04:28	Cu 04:29	Zn 04:30	Ga 07:31	Ge 08:32	As 09:33	Se 10:34	Br 11:35	Kr 12:36
5	Rb 06:37	Sr 07:38	Y 05:39	Zr 05:40	Nb 05:41	Mo 05:42	Tc 05:43	Ru 05:44	Rh 05:45	Pd 05:46	Ag 05:47	Cd 05:48	In 08:49	Sn 09:50	Sb 10:51	Te 11:52	I 12:53	Xe 13:54
6	Cs 07:55	Ba 08:56	Lu 07:11	Hf 07:12	Ta 07:13	W 07:14	Re 07:15	Os 07:16	Ir 07:17	Pt 07:18	Au 07:19	Hg 07:20	Tl 10:21	Pb 11:22	Bi 12:23	Po 13:24	At 14:25	Rn 15:26
7	Fr 09:27	Ra 10:28	Lr 08:43	Rf 08:44	Db 08:45	Sg 08:46	Bh 08:47	Hs 08:48	Mt 08:49	Ds 08:50	Rg 08:51	Uub 08:52	Uut 11:53	Uuq 12:54	Uup 13:55	Uuh 14:56	Uus 15:57	Uuo 16:58
			f	f	f	f	f	f	f	f	f	f	f	f	f	f	f	f

Lengths derived from group, period and atomic number, excluding transition metals.

6	La 06:57	Ce 06:58	Pr 06:59	Nd 07:00	Pm 07:01	Sm 07:02	Eu 07:03	Gd 07:04	Tb 07:05	Dy 07:06	Ho 07:07	Er 07:08	Tm 07:09	Yb 07:10
7	Ac 08:29	Th 08:30	Pa 08:31	U 08:32	Np 08:33	Pu 08:34	Am 08:35	Cm 08:36	Bk 08:37	Cf 08:38	Es 08:39	Fm 08:40	Md 08:41	No 08:42

The Periodic Table of Elements – Tempo in BPM v.1.6

GROUP →	IA	IIA	IIIB	IVB	VB	VIB	VII B	VIII B	IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA		
PERIOD ↓	s	s	d	d	d	d	d	d	d	d	p	p	p	p	p	p		
1	H 120															He 140		
2	Li 134	Be 112										B 87	C 60	N 75	O 73	F 71	Ne 154	
3	Na 227	Mg 130										Al 125	Si 110	P 106	S 102	Cl 100	Ar 97	
4	K 196	Ca 174	Sc 144	Ti 136	V 125	Cr 127	Mn 139	Fe 125	Co 126	Ni 121	Cu 135	Zn 131	Ga 126	Ge 122	As 119	Se 116	Br 115	Kr 110
5	Rb 211	Sr 219	Y 162	Zr 148	Nb 137	Mo 145	Tc 135	Ru 126	Rh 135	Pd 131	Ag 137	Cd 148	In 144	Sn 141	Sb 131	Te 123	I 115	Xe 130
6	Cs 225	Ba 149	Lu 131	Hf 122	Ta 138	W 135	Re 135	Os 128	Ir 135	Pt 128	Au 135	Hg 149	Tl 148	Pb 137	Bi 135	Po 129	At 138	Rn 120
7	Fr 260	Ra 159	Lr ??	Rf 131	Db 126	Sg 121	Bh 119	Hs 118	Mt 113	Ds 112	Rg 118	Uub 130	Uut ??	Uuq ??	Uup ??	Uuh ??	Uus ??	Uuo ??

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Tempos derived from atomic radii where pm = bpm. Atomic radii method chosen by musical convenience

6	La 139	Ce 131	Pr 128	Nd 185	Pm 185	Sm 238	Eu 185	Gd 132	Tb 175	Dy 175	Ho 175	Er 175	Tm 175	Yb 175
7	Ac 140	Th 136	Pa 129	U 118	Np 116	Pu 159	Am 173	Cm 174	Bk 170	Cf ??	Es ??	Fm ??	Md ??	No ??

The Periodic Table of Elements – Legend - v.1.6

Element categories -> Genres		Phase @ 30°C -> Rhythm	
Alkali Metals	- Detroit Techno / Early IDM	Solid	- Synced to BPM
Alkaline Earth Metals	- Minimal	Liquid	- Synced with swing
Transition Elements	- Techno / Ambient Techno	Gas	- Only whole notes
Poor Metals	- Ambient Trance	Unknown	- Random BPM / No snap
Metalloids	- Deep House		
Other Non-metals	- Ambient House	Natural occurrence -> Timbre and Articulation	
Halogens	- Acid House	Primordial	- Organic / Warm / Expressive
Noble Gases	- Beat-less Ambient	Decay	- Distorted / Pulsating / Decaying
Lanthanides	- IDM / Drill'n'Bass	Synthetic	- Synthetic / Cold / Sterile
Actinides	- Glitch	Unknown	- Randomised
Unknown	- Freeform / Noise / Drone		
Atomic Number, group and period -> Track length		Energetic Blocks -> Arrangement	
Atomic Number	- Number of seconds	s	- Simple
Atomic Group A* + Period	- Number of minutes	p	- Panoramic
*No group number for All transition metals [[GROUP B]]		d	- Dense
		f	- Fractured