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NOTEBOOK

21 Sep 2014

The Periodic Table of Light

Is the periodicity of the elements a function of the periodicity of the octave? Is matter better understood as a manifestation of very high frequency harmonics? To approach this question, lets first consider a listing of all the known elements that make up the physical universe.

Atomic Number	Atomic Weight	Element Name	Element Symbol	Melting Point (°C)	Boiling Point (°C)	Density* (g/cm ³)	Earth Crust (%)	Discovery (Year)	Group	Electron Configuration	Ionization Energy (eV)
1	1.0079	Hydrogen	H	-259	-253	0.09	0.14	1776	1	1s ¹	13.5984
2	4.0026	Helium	He	-272	-269	0.18		1895	18	1s ²	24.5874
3	6.941	Lithium	Li	180	1347	0.53		1817	1	[He] 2s ¹	5.3917
4	9.0122	Beryllium	Be	1278	2970	1.85		1797	2	[He] 2s ²	9.3227
5	10.811	Boron	B	2300	2550	2.34		1808	13	[He] 2s ² 2p ¹	8.298
6	12.0107	Carbon	C	3500	4827	2.26	0.094	ancient	14	[He] 2s ² 2p ²	11.2603
7	14.0067	Nitrogen	N	-210	-196	1.25		1772	15	[He] 2s ² 2p ³	14.5341
8	15.9994	Oxygen	O	-218	-183	1.43	46.71	1774	16	[He] 2s ² 2p ⁴	13.6181
9	18.9984	Fluorine	F	-220	-188	1.7	0.029	1886	17	[He] 2s ² 2p ⁵	17.4228
10	20.1797	Neon	Ne	-249	-246	0.9		1898	18	[He] 2s ² 2p ⁶	21.5645
11	22.9897	Sodium	Na	98	883	0.97	2.75	1807	1	[Ne] 3s ¹	5.1391
12	24.305	Magnesium	Mg	639	1090	1.74	2.08	1755	2	[Ne] 3s ²	7.6462
13	26.9815	Aluminum	Al	660	2467	2.7	8.07	1825	13	[Ne] 3s ² 3p ¹	5.9858
14	28.0855	Silicon	Si	1410	2355	2.33	27.69	1824	14	[Ne] 3s ² 3p ²	8.1517
15	30.9738	Phosphorus	P	44	280	1.82	0.13	1669	15	[Ne] 3s ² 3p ³	10.4867
16	32.065	Sulfur	S	113	445	2.07	0.052	ancient	16	[Ne] 3s ² 3p ⁴	10.36
17	35.453	Chlorine	Cl	-101	-35	3.21	0.045	1774	17	[Ne] 3s ² 3p ⁵	12.9676
18	39.948	Argon	Ar	-189	-186	1.78		1894	18	[Ne] 3s ² 3p ⁶	15.7596
19	39.0983	Potassium	K	64	774	0.86	2.58	1807	1	[Ar] 4s ¹	4.3407
20	40.078	Calcium	Ca	839	1484	1.55	3.65	1808	2	[Ar] 4s ²	6.1132
21	44.9559	Scandium	Sc	1539	2832	2.99		1879	3	[Ar] 3d ¹ 4s ²	6.5615
22	47.867	Titanium	Ti	1660	3287	4.54	0.62	1791	4	[Ar] 3d ² 4s ²	6.8281
23	50.9415	Vanadium	V	1890	3380	6.11		1830	5	[Ar] 3d ³ 4s ²	6.7462
24	51.9961	Chromium	Cr	1857	2672	7.19	0.035	1797	6	[Ar] 3d ⁵ 4s ¹	6.7665
25	54.938	Manganese	Mn	1245	1962	7.43	0.09	1774	7	[Ar] 3d ⁵ 4s ²	7.434
26	55.845	Iron	Fe	1535	2750	7.87	5.05	ancient	8	[Ar] 3d ⁶ 4s ²	7.9024

27	58.9332	Cobalt	Co	1495	2870	8.9		1735	9	[Ar] 3d ⁷ 4s ²	7.881
28	58.6934	Nickel	Ni	1453	2732	8.9	0.019	1751	10	[Ar] 3d ⁸ 4s ²	7.6398
29	63.546	Copper	Cu	1083	2567	8.96		ancient	11	[Ar] 3d ¹⁰ 4s ¹	7.7264
30	65.39	Zinc	Zn	420	907	7.13		ancient	12	[Ar] 3d ¹⁰ 4s ²	9.3942
31	69.723	Gallium	Ga	30	2403	5.91		1875	13	[Ar] 3d ¹⁰ 4s ² 4p ¹	5.9993
32	72.64	Germanium	Ge	937	2830	5.32		1886	14	[Ar] 3d ¹⁰ 4s ² 4p ²	7.8994
33	74.9216	Arsenic	As	81	613	5.72		ancient	15	[Ar] 3d ¹⁰ 4s ² 4p ³	9.7886
34	78.96	Selenium	Se	217	685	4.79		1817	16	[Ar] 3d ¹⁰ 4s ² 4p ⁴	9.7524
35	79.904	Bromine	Br	-7	59	3.12		1826	17	[Ar] 3d ¹⁰ 4s ² 4p ⁵	11.8138
36	83.8	Krypton	Kr	-157	-153	3.75		1898	18	[Ar] 3d ¹⁰ 4s ² 4p ⁶	13.9996
37	85.4678	Rubidium	Rb	39	688	1.63		1861	1	[Kr] 5s ¹	4.1771
38	87.62	Strontium	Sr	769	1384	2.54		1790	2	[Kr] 5s ²	5.6949
39	88.9059	Yttrium	Y	1523	3337	4.47		1794	3	[Kr] 4d ¹ 5s ²	6.2173
40	91.224	Zirconium	Zr	1852	4377	6.51	0.025	1789	4	[Kr] 4d ² 5s ²	6.6339
41	92.9064	Niobium	Nb	2468	4927	8.57		1801	5	[Kr] 4d ⁴ 5s ¹	6.7589
42	95.94	Molybdenum	Mo	2617	4612	10.22		1781	6	[Kr] 4d ⁵ 5s ¹	7.0924
43	98	Technetium	Tc	2200	4877	11.5		1937	7	[Kr] 4d ⁵ 5s ²	7.28
44	101.07	Ruthenium	Ru	2250	3900	12.37		1844	8	[Kr] 4d ⁷ 5s ¹	7.3605
45	102.906	Rhodium	Rh	1966	3727	12.41		1803	9	[Kr] 4d ⁸ 5s ¹	7.4589
46	106.42	Palladium	Pd	1552	2927	12.02		1803	10	[Kr] 4d ¹⁰	8.3369
47	107.868	Silver	Ag	962	2212	10.5		ancient	11	[Kr] 4d ¹⁰ 5s ¹	7.5762
48	112.411	Cadmium	Cd	321	765	8.65		1817	12	[Kr] 4d ¹⁰ 5s ²	8.9938
49	114.818	Indium	In	157	2000	7.31		1863	13	[Kr] 4d ¹⁰ 5s ² 5p ¹	5.7864
50	118.71	Tin	Sn	232	2270	7.31		ancient	14	[Kr] 4d ¹⁰ 5s ² 5p ²	7.3439
51	121.76	Antimony	Sb	630	1750	6.68		ancient	15	[Kr] 4d ¹⁰ 5s ² 5p ³	8.6084
52	127.6	Tellurium	Te	449	990	6.24		1783	16	[Kr] 4d ¹⁰ 5s ² 5p ⁴	9.0096
53	126.905	Iodine	I	114	184	4.93		1811	17	[Kr] 4d ¹⁰ 5s ² 5p ⁵	10.4513
54	131.293	Xenon	Xe	-112	-108	5.9		1898	18	[Kr] 4d ¹⁰ 5s ² 5p ⁶	12.1298
55	132.906	Cesium	Cs	29	678	1.87		1860	1	[Xe] 6s ¹	3.8939
56	137.327	Barium	Ba	725	1140	3.59	0.05	1808	2	[Xe] 6s ²	5.2117
57	138.906	Lanthanum	La	920	3469	6.15		1839	3	[Xe] 5d ¹ 6s ²	5.5769
58	140.116	Cerium	Ce	795	3257	6.77		1803	101	[Xe] 4f ¹ 5d ¹ 6s ²	5.5387
59	140.908	Praseodymium	Pr	935	3127	6.77		1885	101	[Xe] 4f ³ 6s ²	5.473
60	144.24	Neodymium	Nd	1010	3127	7.01		1885	101	[Xe] 4f ⁴ 6s ²	5.525
61	145	Promethium	Pm	1100	3000	7.3		1945	101	[Xe] 4f ⁵ 6s ²	5.582
62	150.36	Samarium	Sm	1072	1900	7.52		1879	101	[Xe] 4f ⁶ 6s ²	5.6437
63	151.964	Europium	Eu	822	1597	5.24		1901	101	[Xe] 4f ⁷ 6s ²	5.6704
64	157.25	Gadolinium	Gd	1311	3233	7.9		1880	101	[Xe] 4f ⁷ 5d ¹ 6s ²	6.1501
65	158.925	Terbium	Tb	1360	3041	8.23		1843	101	[Xe] 4f ⁹ 6s ²	5.8638
66	162.5	Dysprosium	Dy	1412	2562	8.55		1886	101	[Xe] 4f ¹⁰ 6s ²	5.9389
67	164.93	Holmium	Ho	1470	2720	8.8		1867	101	[Xe] 4f ¹¹ 6s ²	6.0215
68	167.259	Erbium	Er	1522	2510	9.07		1842	101	[Xe] 4f ¹² 6s ²	6.1077
69	168.934	Thulium	Tm	1545	1727	9.32		1879	101	[Xe] 4f ¹³ 6s ²	6.1843
70	173.04	Ytterbium	Yb	824	1466	6.9		1878	101	[Xe] 4f ¹⁴ 6s ²	6.2542
71	174.967	Lutetium	Lu	1656	3315	9.84		1907	101	[Xe] 4f ¹⁴ 5d ¹ 6s ²	5.4259
72	178.49	Hafnium	Hf	2150	5400	13.31		1923	4	[Xe] 4f ¹⁴ 5d ² 6s ²	6.8251
73	180.948	Tantalum	Ta	2996	5425	16.65		1802	5	[Xe] 4f ¹⁴ 5d ³ 6s ²	7.5496
74	183.84	Tungsten	W	3410	5660	19.35		1783	6	[Xe] 4f ¹⁴ 5d ⁴ 6s ²	7.864
75	186.207	Rhenium	Re	3180	5627	21.04		1925	7	[Xe] 4f ¹⁴ 5d ⁵ 6s ²	7.8335
76	190.23	Osmium	Os	3045	5027	22.6		1803	8	[Xe] 4f ¹⁴ 5d ⁶ 6s ²	8.4382
77	192.217	Iridium	Ir	2410	4527	22.4		1803	9	[Xe] 4f ¹⁴ 5d ⁷ 6s ²	8.967
78	195.078	Platinum	Pt	1772	3827	21.45		1735	10	[Xe] 4f ¹⁴ 5d ⁹ 6s ¹	8.9587
79	196.967	Gold	Au	1064	2807	19.32		ancient	11	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ¹	9.2255
80	200.59	Mercury	Hg	-39	357	13.55		ancient	12	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ²	10.4375
81	204.383	Thallium	Tl	303	1457	11.85		1861	13	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	6.1082
82	207.2	Lead	Pb	327	1740	11.35		ancient	14	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	7.4167
83	208.98	Bismuth	Bi	271	1560	9.75		ancient	15	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	7.2856
84	209	Polonium	Po	254	962	9.3		1898	16	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁴	8.417
85	210	Astatine	At	302	337			1940	17	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁵	9.3
86	222	Radon	Rn	-71	-62	9.73		1900	18	[Xe] 4f ¹⁴ 5d ¹⁰ 6s ² 6p ⁶	10.7485
87	223	Francium	Fr	27	677			1939	1	[Rn] 7s ¹	4.0727
88	226	Radium	Ra	700	1737	5.5		1898	2	[Rn] 7s ²	5.2784
89	227	Actinium	Ac	1050	3200	10.07		1899	3	[Rn] 6d ¹ 7s ²	5.17
90	232.038	Thorium	Th	1750	4790	11.72		1829	102	[Rn] 6d ² 7s ²	6.3067
91	231.036	Protactinium	Pa	1568		15.4		1913	102	[Rn] 5f ² 6d ¹ 7s ²	5.89
92	238.029	Uranium	U	1132	3818	18.95		1789	102	[Rn] 5f ³ 6d ¹ 7s ²	6.1941
93	237	Neptunium	Np	640	3902	20.2		1940	102	[Rn] 5f ⁴ 6d ¹ 7s ²	6.2657
94	244	Plutonium	Pu	640	3235	19.84		1940	102	[Rn] 5f ⁶ 7s ²	6.0262

95	243	Americium	Am	994	2607	13.67	1944	102	[Rn] 5f ⁷ 7s ²	5.9738
96	247	Curium	Cm	1340		13.5	1944	102		5.9915
97	247	Berkelium	Bk	986		14.78	1949	102		6.1979
98	251	Californium	Cf	900		15.1	1950	102		6.2817
99	252	Einsteinium	Es	860			1952	102		6.42
100	257	Fermium	Fm	1527			1952	102		6.5
101	258	Mendelevium	Md				1955	102		6.58
102	259	Nobelium	No	827			1958	102		6.65
103	262	Lawrencium	Lr	1627			1961	102		4.9
104	261	Rutherfordium	Rf				1964	4		
105	262	Dubnium	Db				1967	5		
106	266	Seaborgium	Sg				1974	6		
107	264	Bohrium	Bh				1981	7		
108	277	Hassium	Hs				1984	8		
109	268	Meitnerium	Mt				1982	9		

In 1871 Medeleev organized these elements into a table now well known as the Periodic Table of the Elements. Medeleev's first published version of this table is shown below:

Reihen	Gruppe I. — R ⁰	Gruppe II. — R ⁰	Gruppe III. — R ⁰	Gruppe IV. RH ⁴ R ⁰	Gruppe V. RH ⁵ R ⁰	Gruppe VI. RH ⁶ R ⁰	Gruppe VII. RH ⁷ R ⁰	Gruppe VIII. — R ⁰
1	II=1							
2	Li=7	Be=9,4	B=11	C=12	N=14	O=16	F=19	
3	Na=23	Mg=24	Al=27,3	Si=28	P=31	S=32	Cl=35,5	
4	K=39	Ca=40	—=44	Ti=48	V=51	Cr=52	Mn=55	Po=56, Co=59, Ni=59, Cu=63.
5	(Cu=63)	Zn=65	—=68	—=72	As=75	So=78	Br=80	
6	Rb=85	Sr=87	?Yt=88	Zr=90	Nb=94	Mo=96	—=100	Ru=104, Rh=104, Pd=106, Ag=108.
7	(Ag=108)	Cd=112	In=113	Sn=118	Sb=122	Te=125	J=127	
8	Cs=133	Ba=137	?Di=138	?Ce=140	—	—	—	— — — —
9	(—)	—	—	—	—	—	—	— — — —
10	—	—	?Er=178	?La=180	Ta=182	W=184	—	Os=195, Ir=197, Pt=198, Au=199.
11	(Au=199)	Hg=200	Tl=204	Pb=207	Bi=208	—	—	— — — —
12	—	—	—	Th=231	—	U=240	—	— — — —

He discerned the periodicity of the elements as being a function of their increasing atomic weight. The modern periodic table is arranged as follows:

The Standard Periodic Table of the Elements (2011)

Metalloids

Halogens

Alkali metals

Lanthanoids

Transition Metals

Other nonmetals

Noble gases

Alkali earth metals

Actinoids

Post-transition Metals

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57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

The standard periodic table is rectangular with counter-intuitive gaps occurring within the horizontal rows (called periods) to keep elements with similar properties grouped together in vertical columns (called groups), such as alkali metals, alkali earth metals, halogens and noble gases.

A wide, expanded view of the standard periodic table is shown below.

The Standard Periodic Table of the Elements, Wide View (2011)

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1																	2														
H																	He														
3	4															10															
Li	Be															Ne															
11	12															18															
Na	Mg															Ar															
19	20															36															
K	Ca															Kr															
37	38															54															
Rb	Sr															Xe															
55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	Ba	La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118
Fr	Ra	Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Hg	Uut	Uuq	Uup	Uuh	Uus	Uuo

Elements of Mind and Light

Creation is caused by the subdivision of the conscious field into manifold parts through constructive or destructive acts of Mind resulting in the apparent existence of a universe of myriad parts; of subject and object.

Energy is the native aspect of Mind which allows effect to flow from Mind-ignited cause so that a desired outcome may arise.

Energy is Mind's force of intention.

The outward expression of the conscious field is the empty space that underlies all material form.

The inward expression of the conscious field is the empty space of awareness that underlies all thought form.

In both cases, this underlying spacious emptiness, outward (physical) and inward (mental) is one and the same. The still space between thoughts is same as the still space between stars.

Everything perceived in Creation is manifested in the conscious field as an effect of the force of Mind, that is, as an effect of the constructive or destructive will of Mind.

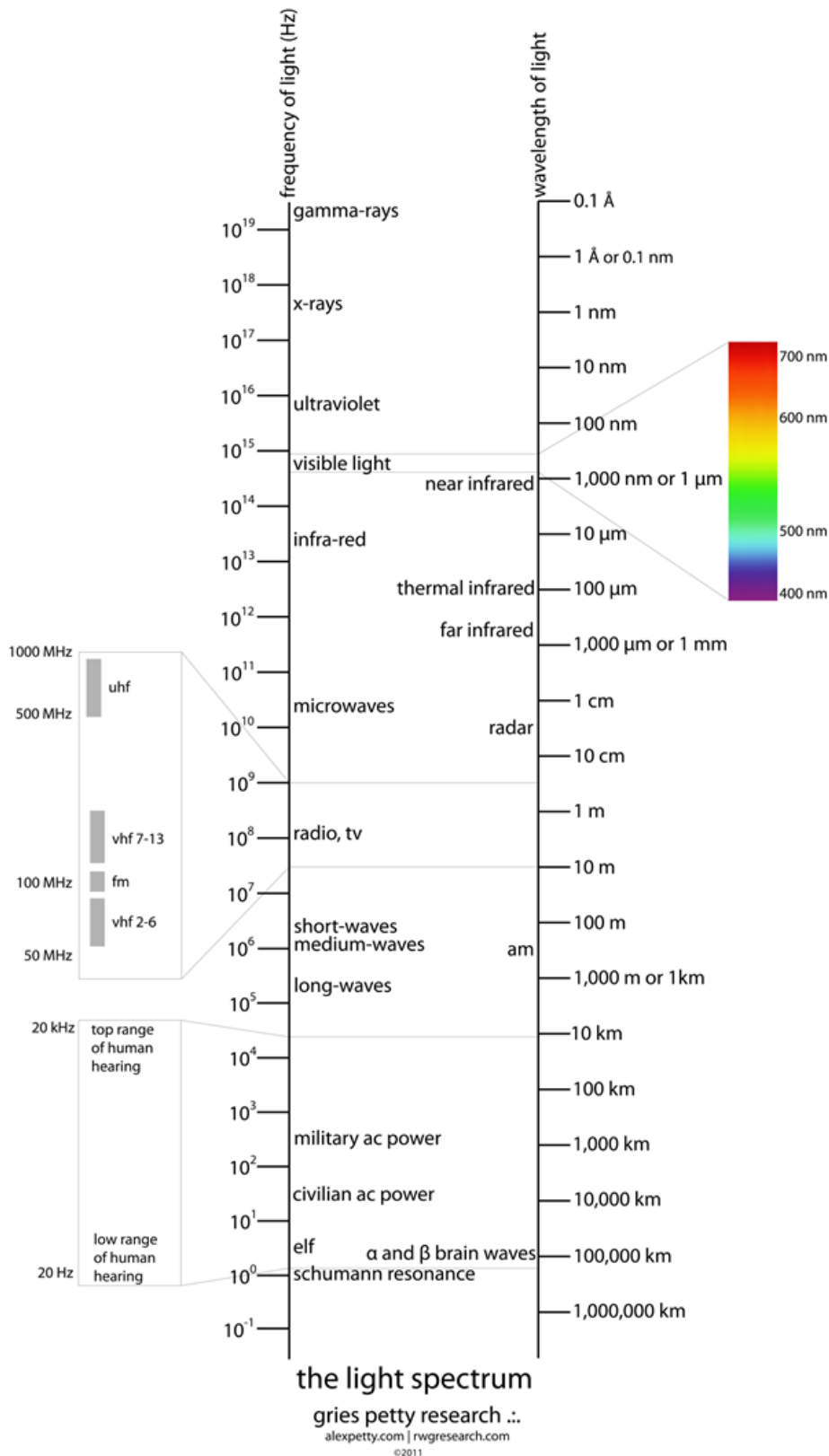
Light is the primary effect of causality.

Light is exerted by Mind upon the conscious field and produces vibratory pressures thereupon.

Human beings perceive these pressures as vibrations of light oscillating in empty space.

Our eyes perceive a slim band of these frequencies as visible light which Mind translates into the human experience of sight. In this way, the effect, born of the primary, mind-ignited cause manifests visibly to the range of human experience.

Many frequencies of light exist which are beyond our ability to sense directly. Certain ranges can harm the physical body, while others may soothe or heal it, and still others can have altering effects on states of consciousness.



The creation mechanism that gives rise to the physical universe is when light, which is directly linked to primary causality; the will of Mind, imparts vibration and potential to empty space.

The vast intelligence which has sustained the Cosmos by the force of it's will and of which each human being is an inseparable part (as individual drops of water are inseparable from the ocean), has produced vast amounts of apparent "material substance" or "matter". These gases, liquids and solids serve as a further medium for the movement of energy through apparent space and time.

Energy passing through material mediums yield second order effects cascading into subsequent degrees of complexity. An

example of this is the transference of energy through the medium of atmospheric gas. This result is a pressure wave traveling through the air. When this pressure wave contains frequencies ranging between 20 to 20,000 cycles per second, human ears can translate these into the experience of sound in the Mind; cause and effect have come full circle.

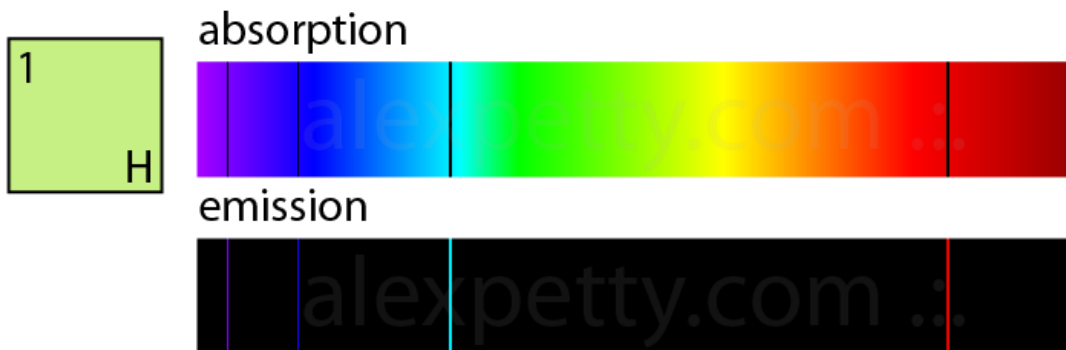
Energy moving through the medium of a conductor (e.g., copper wire) produces a charge pressure wave in the copper material lattice that can be used to create useful electronic devices. Here the cause and effect interaction is facilitating human inventiveness.

The elements of the Periodic Table are also an artifact of consciousness, of light.

One way to empirically analyze the extremely high light harmonics that produce matter is by carefully studying the atomic absorption and emission spectra for the known elements. Each spectra provides a unique lower harmonic "light signature" for each element.

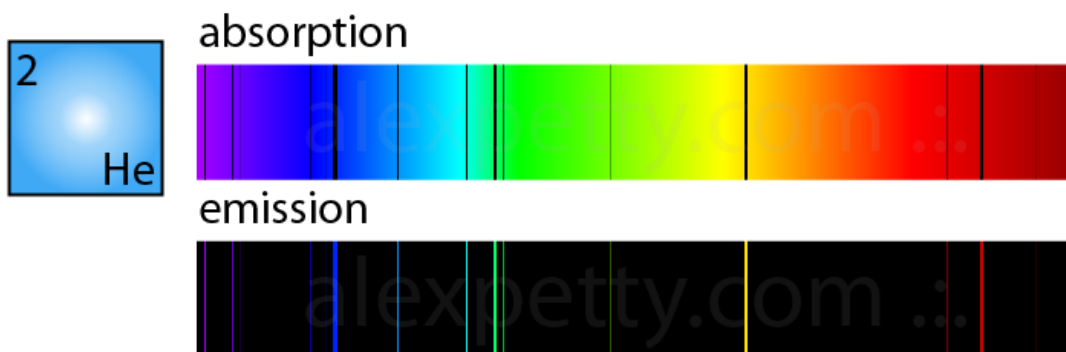
Below is a complete listing of the unique light signatures for all known forms of matter:

hydrogen light signature



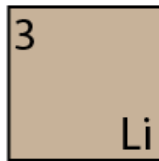
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helium light signature



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lithium light signature



absorption



emission

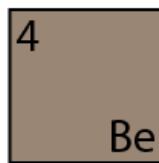


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beryllium light signature



absorption



emission

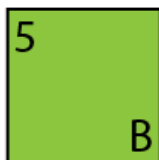


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boron light signature



absorption



emission

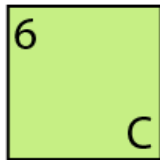


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carbon light signature



absorption



emission

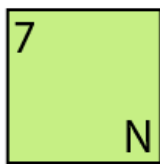


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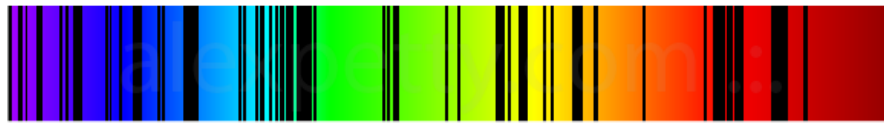
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nitrogen light signature



absorption



emission

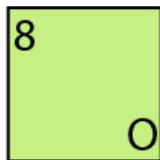


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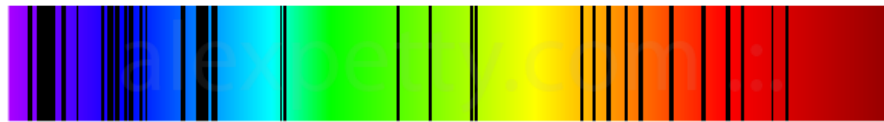
alexpetty.com | rwgresearch.com

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oxygen light signature



absorption



emission

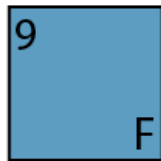


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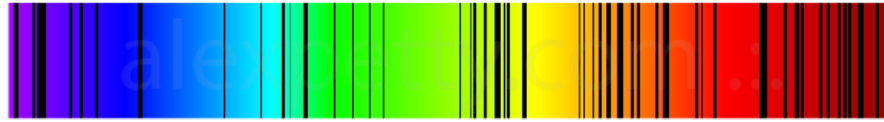
alexpetty.com | rwgresearch.com

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fluorine light signature



absorption



emission

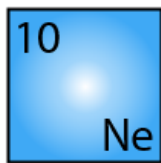


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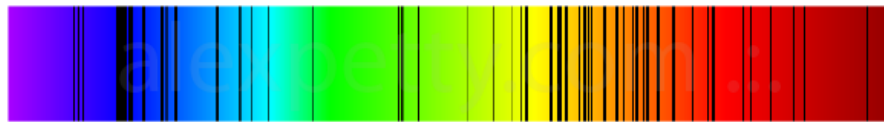
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neon light signature



absorption



emission

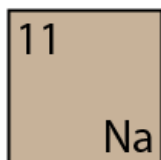


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sodium light signature



absorption



emission

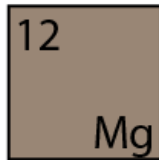


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magnesium light signature



absorption



emission

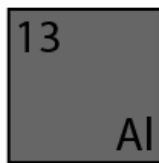


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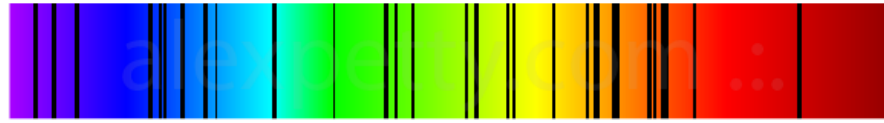
alexpetty.com | rwgresearch.com

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aluminum light signature



absorption



emission

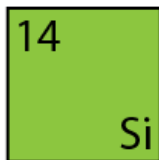


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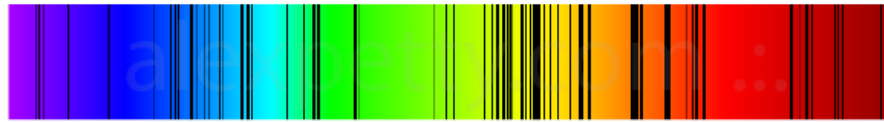
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silicon light signature



absorption



emission

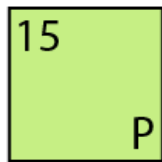


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phosphorus light signature



absorption



emission

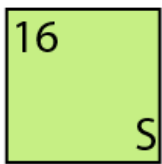


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sulfur light signature



absorption



emission

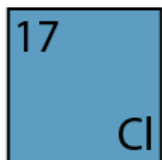


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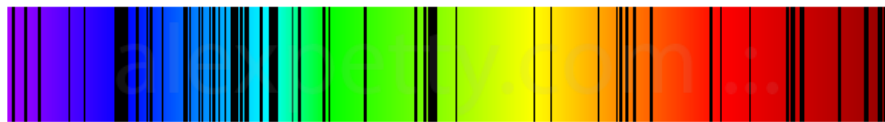
alexpetty.com | rwgresearch.com

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chlorine light signature



absorption



emission

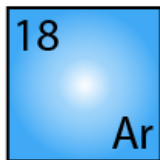


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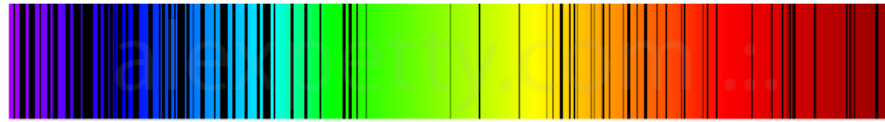
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argon light signature



absorption



emission

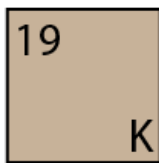


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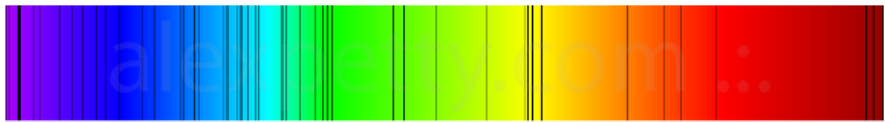
alexpetty.com | rwgresearch.com

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potassium light signature



absorption



emission

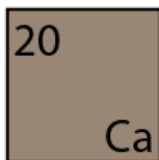


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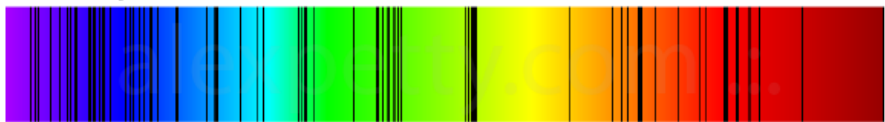
alexpetty.com | rwgresearch.com

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calcium light signature



absorption



emission

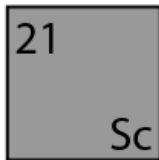


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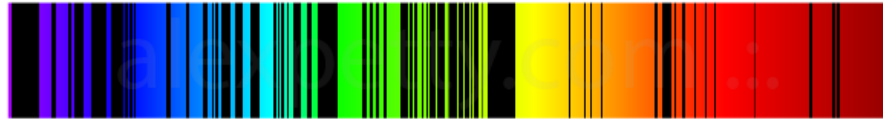
alexpetty.com | rwgresearch.com

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scandium light signature



absorption



emission

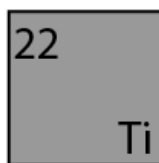


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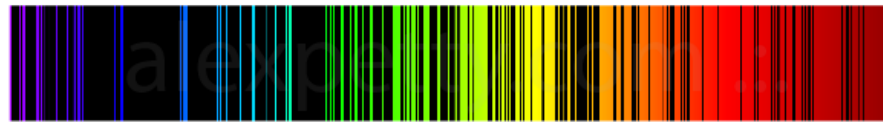
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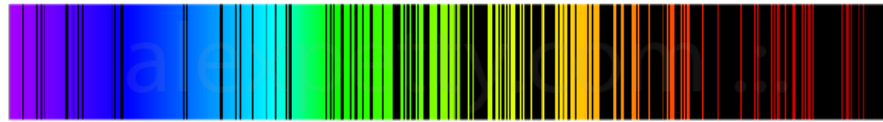
titanium light signature



absorption



emission

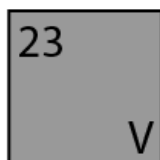


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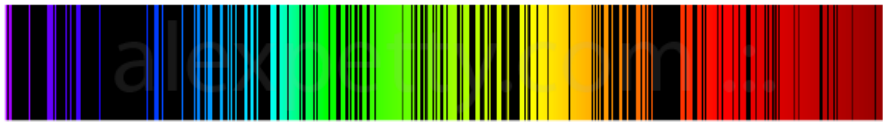
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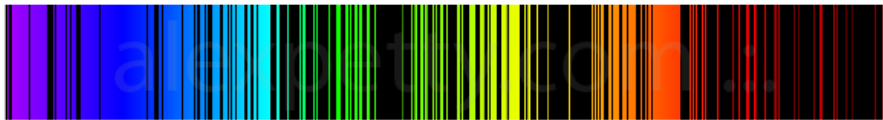
vandium light signature



absorption



emission

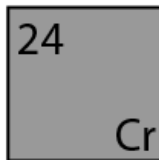


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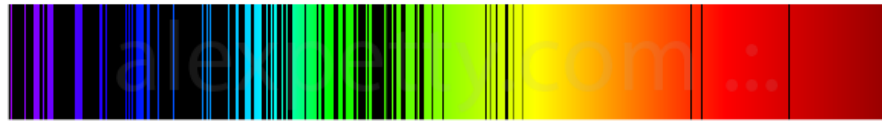
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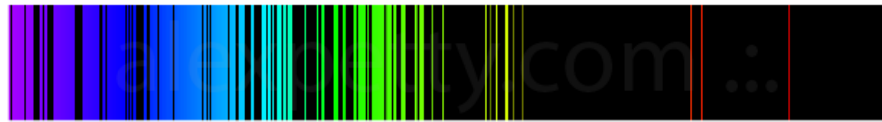
chromium light signature



absorption



emission

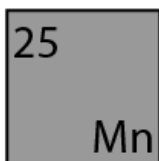


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manganese light signature



absorption



emission

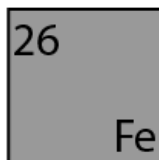


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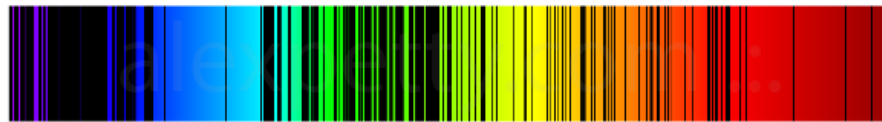
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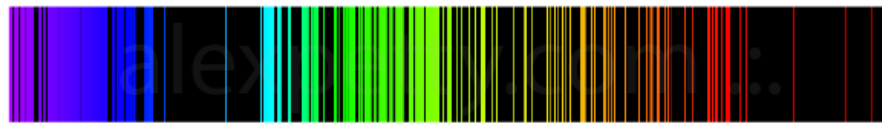
iron light signature



absorption



emission

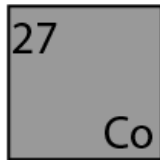


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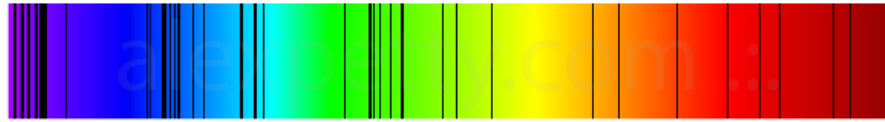
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cobalt light signature



absorption



emission

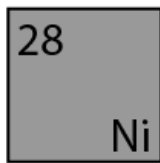


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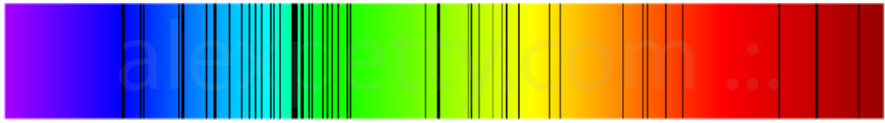
alexpetty.com | rwgresearch.com

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nickel light signature



absorption



emission

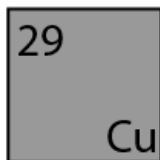


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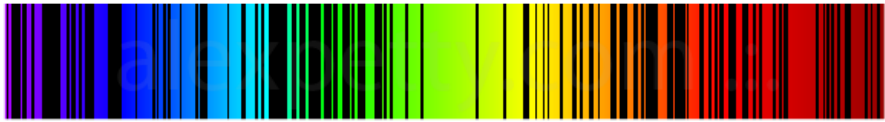
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copper light signature



absorption



emission

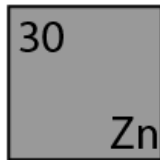


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zinc light signature



absorption



emission

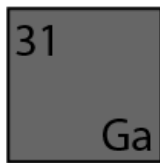


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gallium light signature



absorption



emission

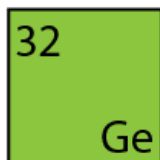


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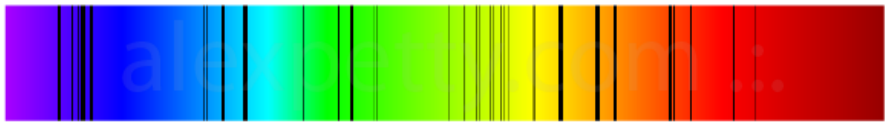
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germanium light signature



absorption



emission

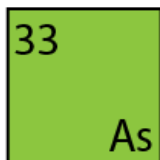


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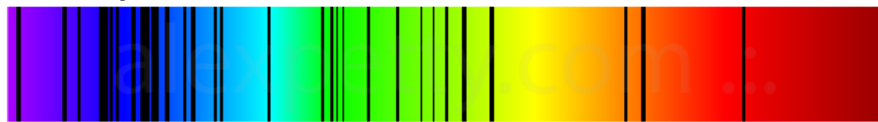
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arsenic light signature



absorption



emission

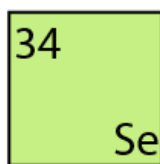


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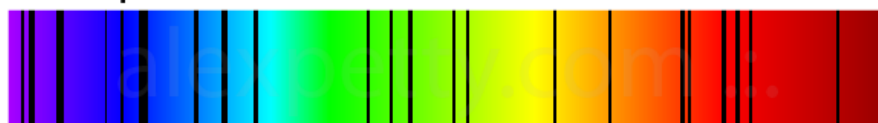
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selenium light signature



absorption



emission



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bromine light signature



absorption



emission

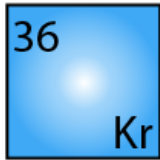


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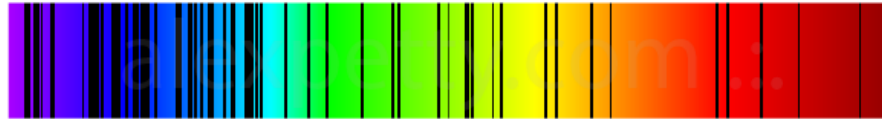
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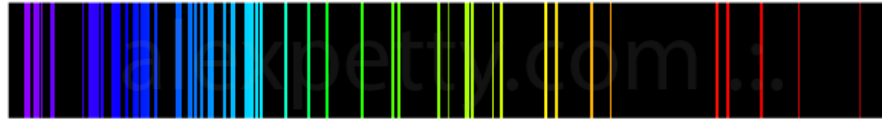
krypton light signature



absorption



emission



gries petty research ..

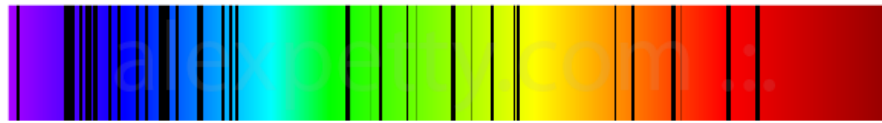
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rubidium light signature



absorption



emission

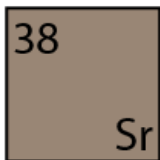


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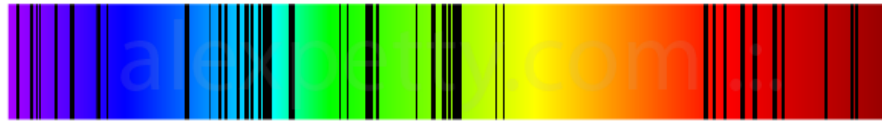
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strontium light signature



absorption



emission

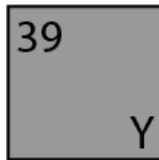


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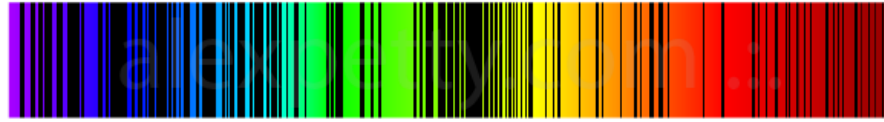
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yttrium light signature



absorption



emission



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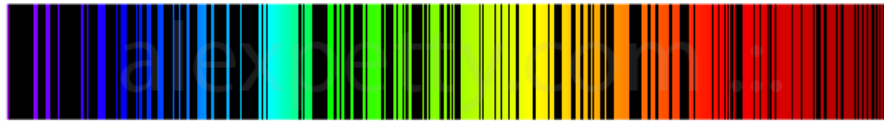
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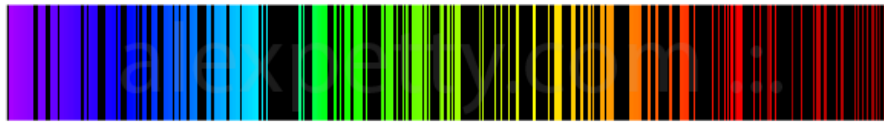
zirconium light signature



absorption



emission

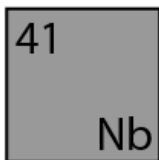


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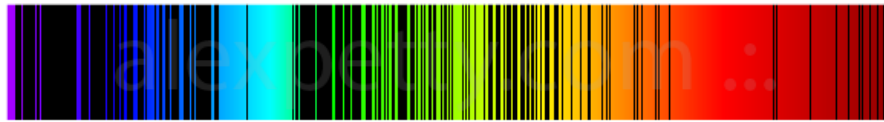
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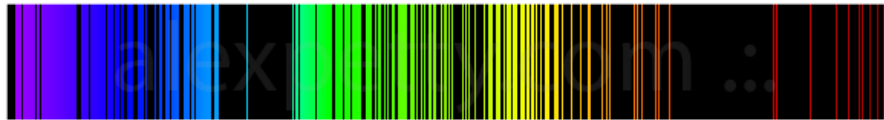
niobium light signature



absorption



emission

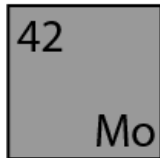


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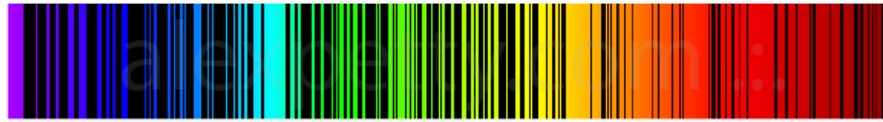
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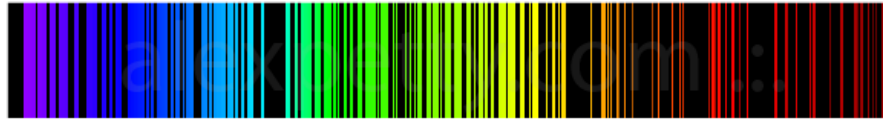
molybdenum light signature



absorption



emission

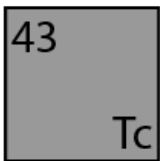


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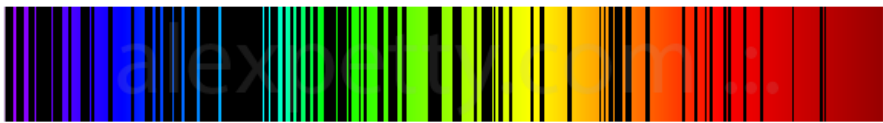
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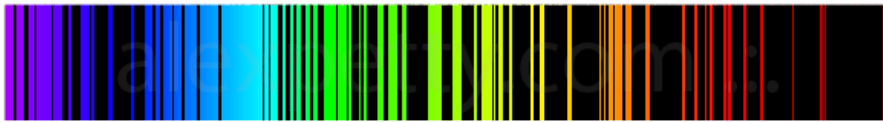
technetium light signature



absorption



emission

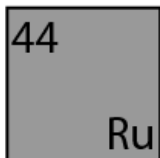


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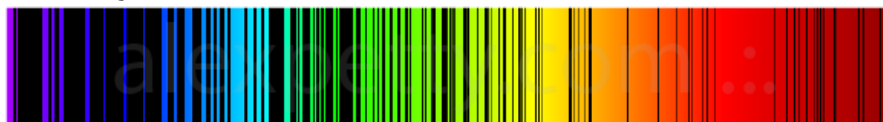
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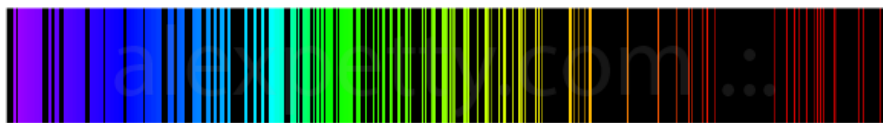
ruthenium light signature



absorption



emission

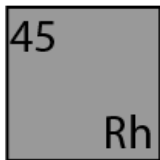


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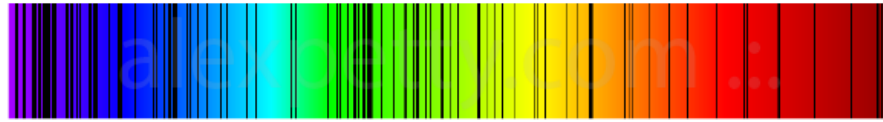
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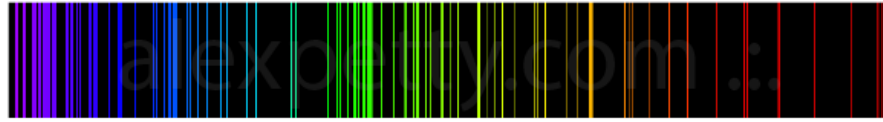
rhodium light signature



absorption



emission

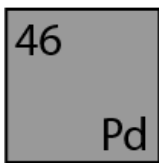


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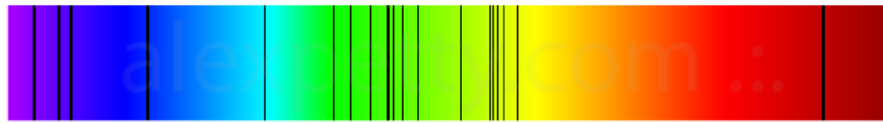
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palladium light signature



absorption



emission



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silver light signature



absorption



emission



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cadmium light signature



absorption



emission

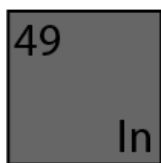


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indium light signature



absorption



emission

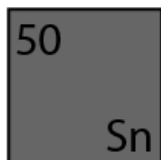


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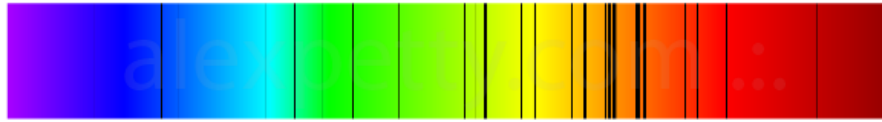
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tin light signature



absorption



emission

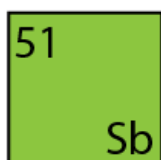


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antimony light signature



absorption



emission

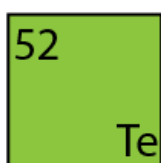


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tellurium light signature



absorption



emission

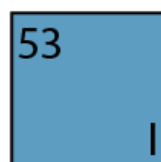


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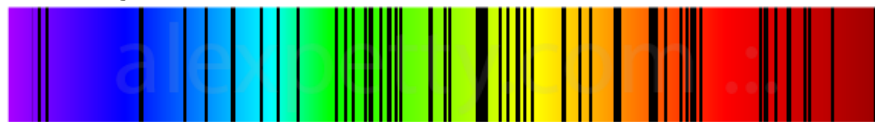
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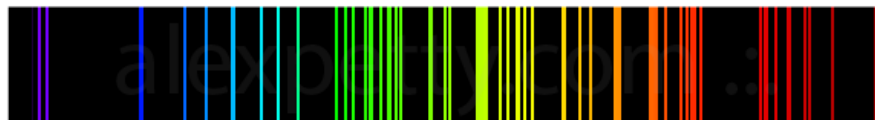
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absorption



emission

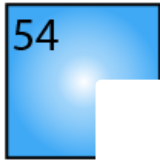


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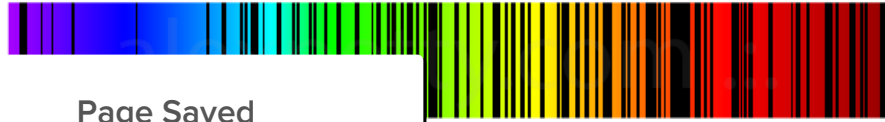
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xenon light signature



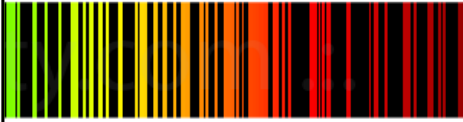
absorption



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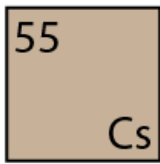
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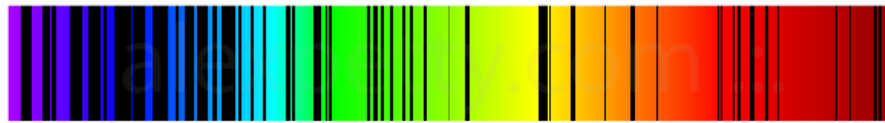


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caesium light signature



absorption



emission

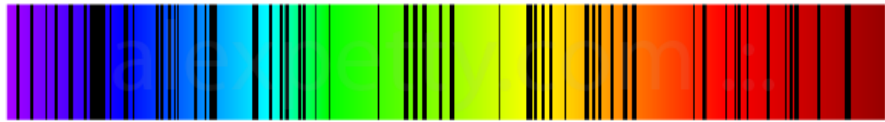


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barium light signature



absorption



emission

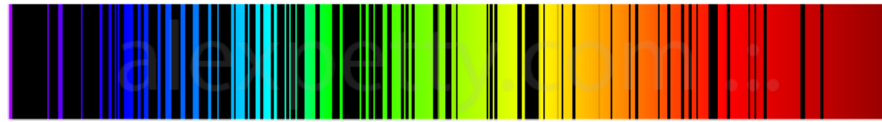


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lanthanum light signature



absorption



emission

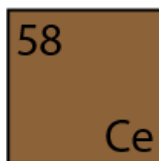


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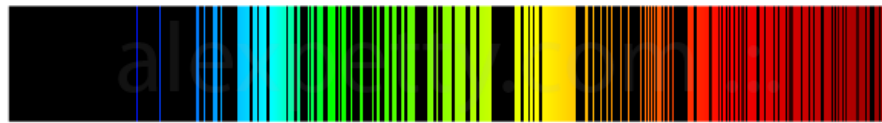
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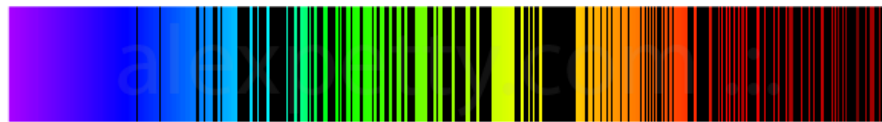
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absorption



emission

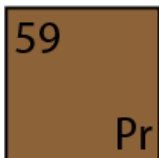


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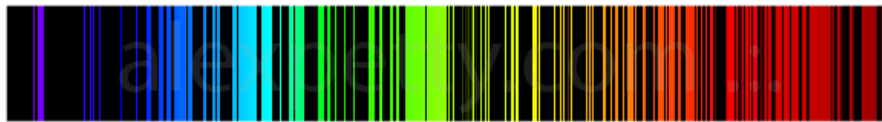
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praseodymium light signature



absorption



emission

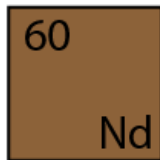


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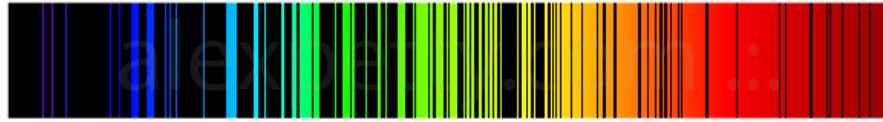
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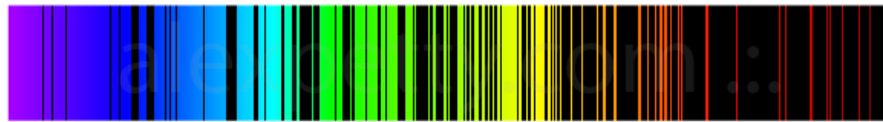
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absorption



emission

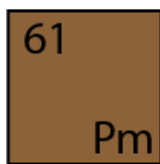


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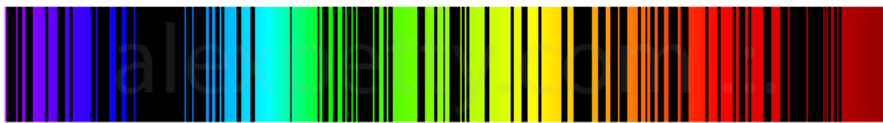
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promethium light signature



absorption



emission

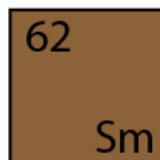


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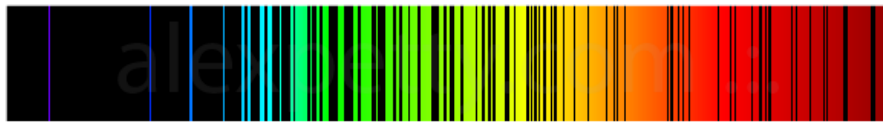
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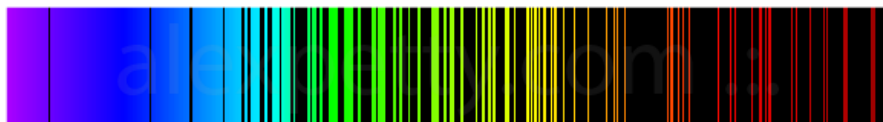
samarium light signature



absorption



emission

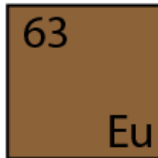


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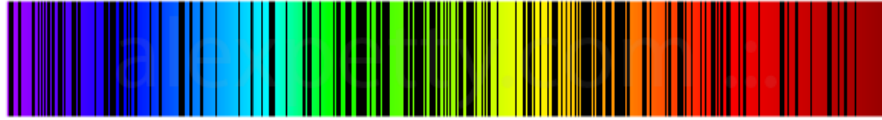
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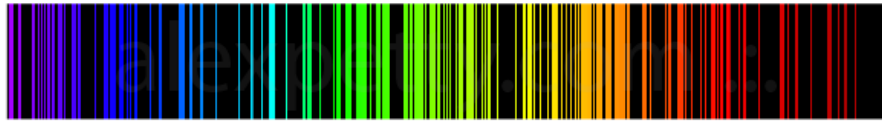
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absorption



emission



gries petty research ..

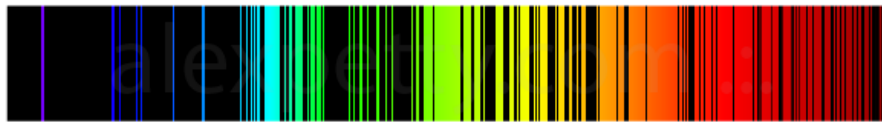
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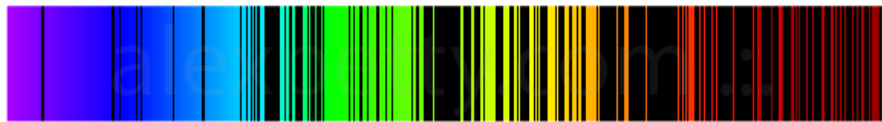
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absorption



emission

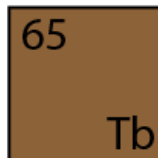


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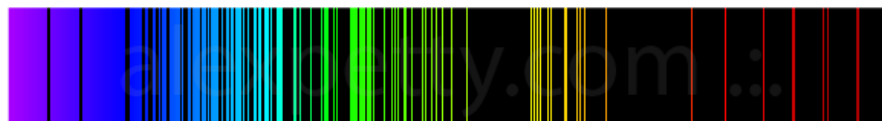
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absorption



emission



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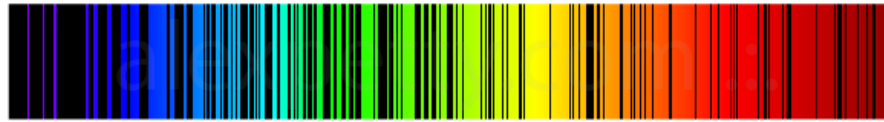
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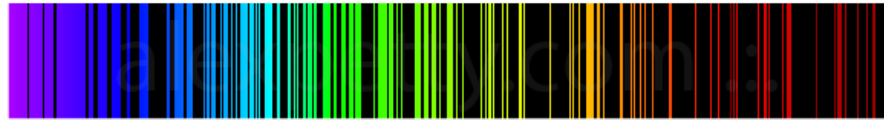
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absorption



emission

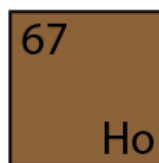


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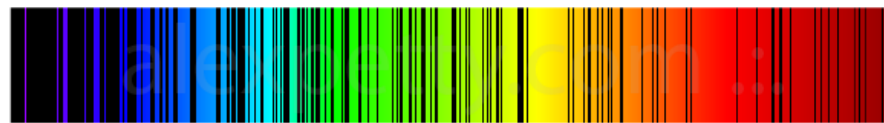
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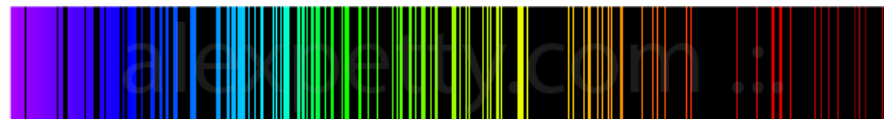
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absorption



emission

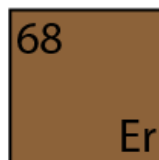


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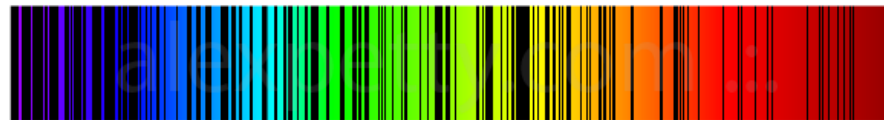
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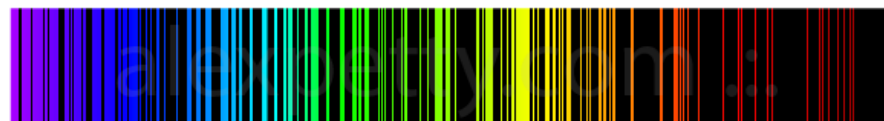
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absorption



emission

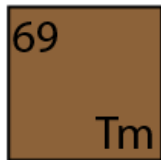


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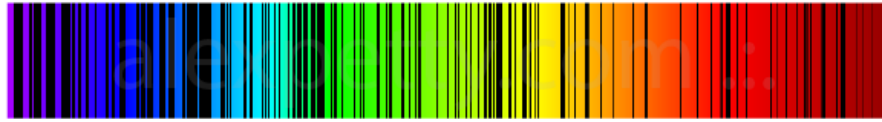
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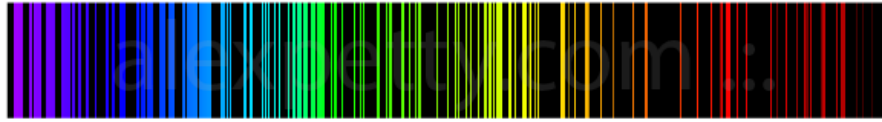
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absorption



emission

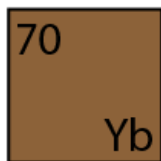


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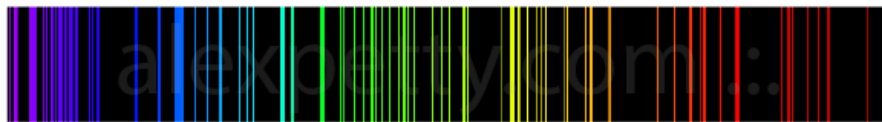
ytterbium light signature



absorption



emission



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lutetium light signature



absorption



emission



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hafnium light signature



absorption



emission

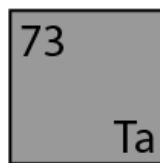


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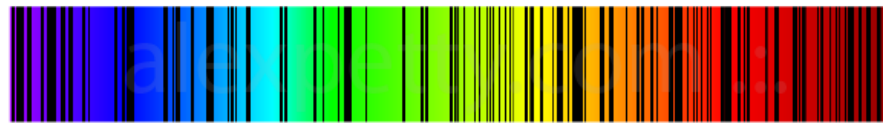
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tantalum light signature



absorption



emission

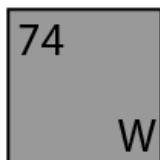


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tungsten light signature



absorption



emission

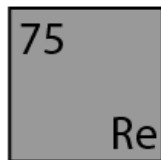


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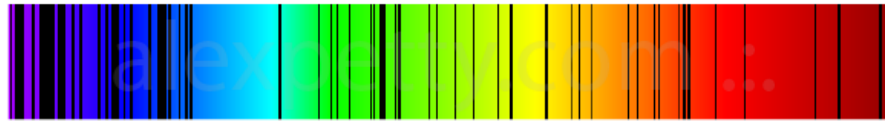
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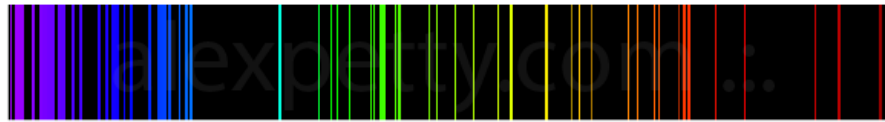
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absorption



emission

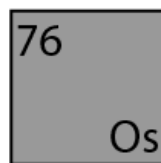


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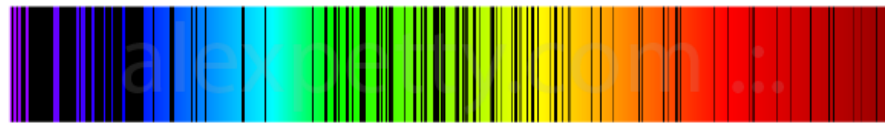
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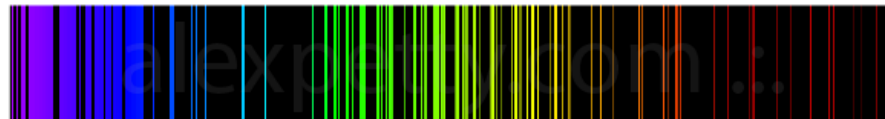
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absorption



emission



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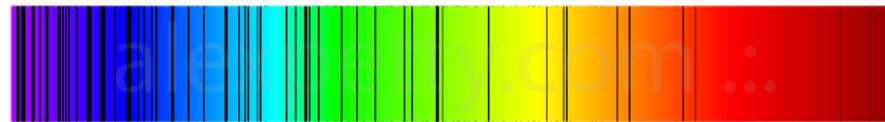
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iridium light signature



absorption



emission

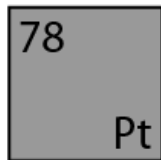


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platinum light signature



absorption



emission

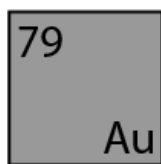


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gold light signature



absorption



emission

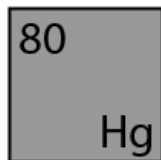


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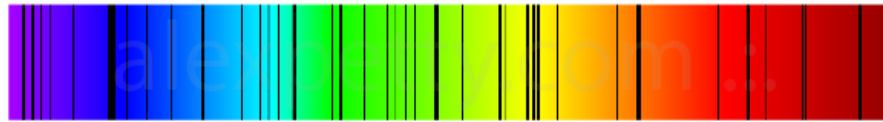
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mercury light signature



absorption



emission



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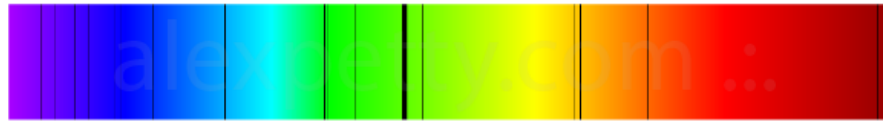
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thallium light signature



absorption



emission

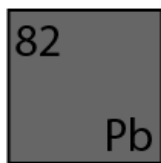


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lead light signature



absorption



emission



gries petty research ..

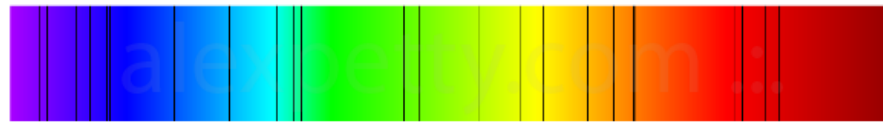
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bismuth light signature



absorption



emission

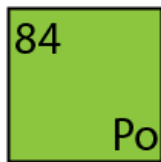


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polonium light signature



absorption



emission

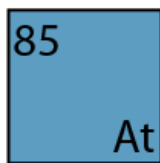


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astatine light signature



absorption



emission

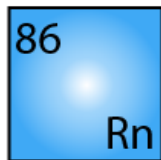


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radon light signature



absorption



emission

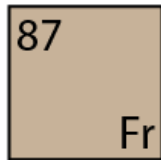


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francium light signature



absorption



emission

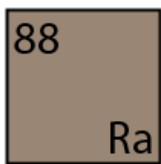


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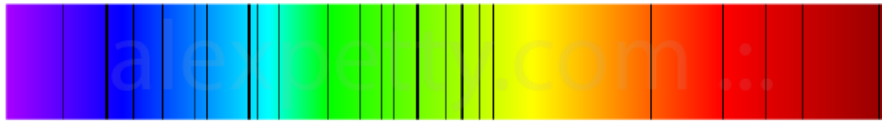
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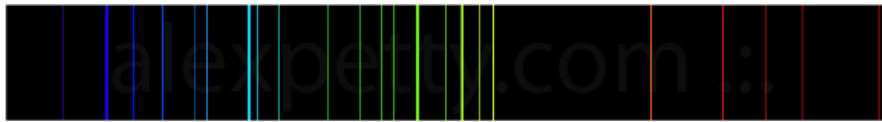
radium light signature



absorption



emission



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actinium light signature



absorption



emission

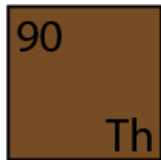


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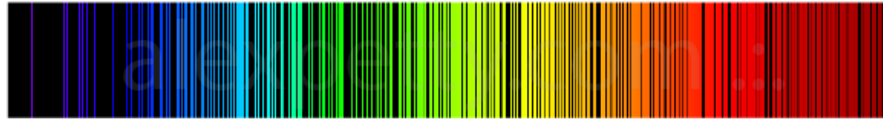
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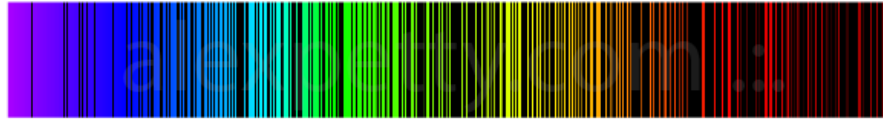
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absorption



emission

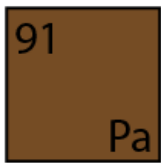


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protactinium light signature



absorption



emission

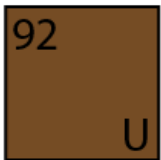


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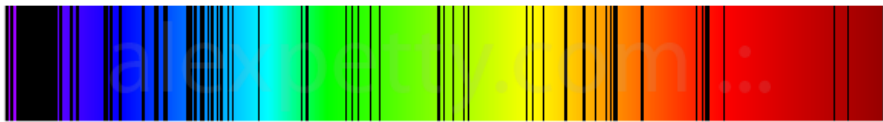
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uranium light signature



absorption



emission

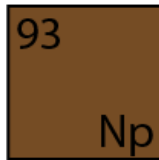


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neptunium light signature



absorption



emission

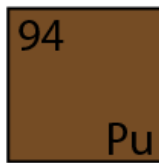


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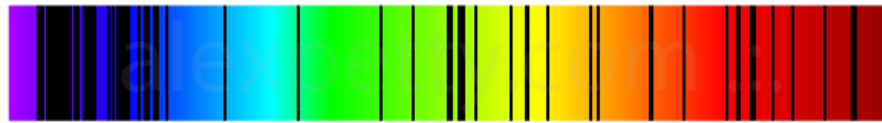
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plutonium light signature



absorption



emission

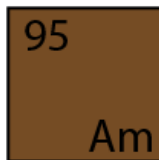


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americium light signature



absorption



emission

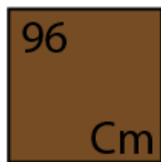


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absorption



emission



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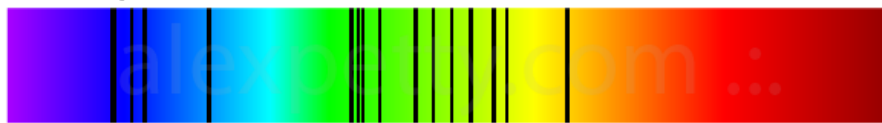
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absorption



emission

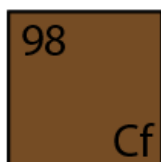


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absorption



emission



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The Tones of Matter

Jelaleddin Rumi, a Persian Sufi mystic who lived from 1207 to 1273 century AD once said:

“In the rhythm of music a secret is hidden; if I were to divulge it, it would overturn the world.”

It was also anciently said by the great Alexandrian master Hermes Trismegistus, “As above so below”.

Both of these statements refer to the nature of energy.

The cycling aspect of energy can be relied upon at any octave.

Every octave of energy is identical to all others.

The only variation in comparing one octave to another is scale.

As the wavelengths grow longer, frequencies decrease – the energy and scale decreases.

As the wavelengths grow shorter, frequencies increase – the energy and scale increases.

We can experience this reliable, regular quality of energy when we hear the 7 major tones of the musical scale in the audio frequency range.

Do – Re – Mi – Fa – So – La – Ti

The human ear is capable of perceiving a range of 10 octaves of energy.

We can also experience this reliable, regular quality of energy when we see the 7 major tones of color in the frequency range of visible light.

Violet - Indigo - Blue - Green - Yellow - Orange - Red

There is a direct correspondence here: as above, so below.

We see "Violet" in the higher octave, we hear "Do" at the lower octave.

We see "Indigo" in the higher octave, we hear "Re" at the lower octave.

We see "Blue" in the higher octave, we hear "Mi" at the lower octave.

We see "Green" in the higher octave, we hear "Fa" at the lower octave.

We see "Yellow" in the higher octave, we hear "So" at the lower octave.

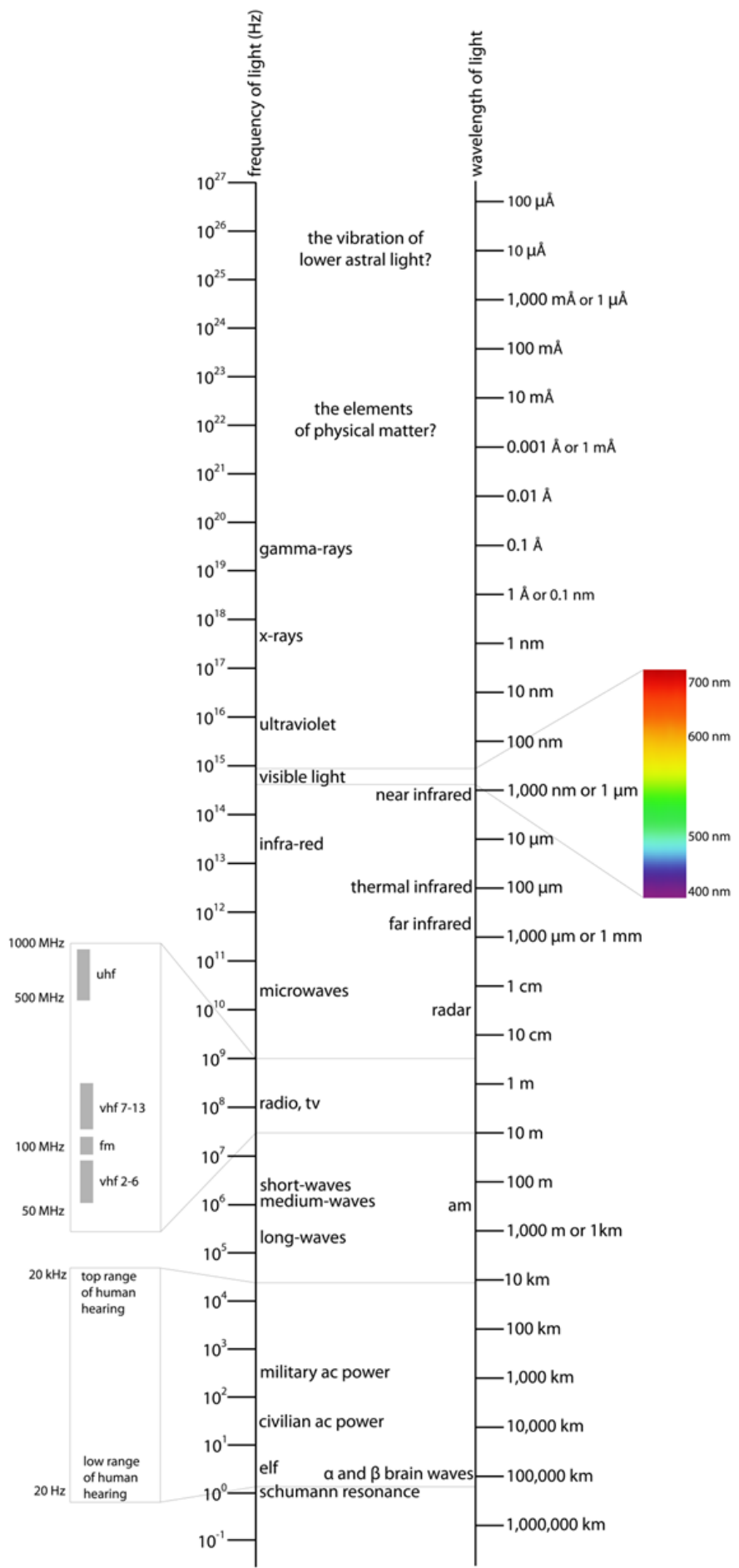
We see "Orange" in the higher octave, we hear "La" at the lower octave.

We see "Red" in the higher octave, we hear "Ti" at the lower octave.

The human eye is capable of perceiving but a single octave of energy.

We experience this reliable, regular quality of energy as the 118 tones of known matter which span across 7 octaves.

In other words, at an extremely high rate of vibration, in the wavelength range of perhaps 0.01 Å to 10 mÅ or shorter, light "condenses" into that which we perceive as matter.



the light spectrum
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According to the gigantic conceptions of enlightened genius Walter Russell, there are 10 full octaves of matter. I have

adopted Russell's conventions in my work as his ideas are very well aligned with mine and I believe his conclusions on many counts are correct.

The complete set of 10 octaves as given by Russell are:

- 1) The Alphanon Octave
- 2) The Betanon Octave
- 3) The Gammanon Octave
- 4) The Hydron Octave (which contains Hydrogen)
- 5) The Helium Octave
- 6) The Neon Octave
- 7) The Argon Octave
- 8) The Krypton Octave
- 9) The Xenon Octave
- 10) The Radon Octave

With the exception of Hydrogen, no tones in Russell's predicted first four octaves have yet been observed in nature.

Russell named these predicted tones as follows:

Alphanon Octave: Irenon – Vijaon – Marvaon – Tomion – Alberton – Blackton – Boston

Betonon Octave: Jamearnon – Erneston – Eykaon – Athenon – Barnardon – Delphanon – Romanon

Gammanon Octave: Marconium – Penrymium – Vinton – Quentin – Tracion – Buzzeon – Helenon

Hydron Octave: Hydrogen – Ethlogen – Bebegeon – Carbogen – Luminon – Halanon – Helionon

It should also be noted that by 1927, Russell had already predicted the existence of a significant number of then unknown elements in the 9th and 10th octaves which have since been discovered. In fact in 1941, the American Academy of Sciences conferred a doctorate on him, after several laboratories had isolated the elements which he had foreseen: Deuterium, Tritium, Neptunium and Plutonium.

The figures below show how light cycles through the higher energy octaves appearing as matter at major tones and certain semi tones.

I have indicated the semi tones in "cents" between 0 and 1000. For example a semi tone falling half way between "Mi" and "Fa" would appear as "Mi500".

Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
		0 =		100 =	Alphanon	An		
	Do	1 +	1	101 +	Irenon	Io	unknown	unknown
	Re	2 +	1	102 +	Vijaon	Vj	unknown	unknown
	Mi	3 +	1	103 +	Marvaon	Mv	unknown	unknown
	Fa	4 ‡	1	104 ‡	Tomion	Tn	unknown	unknown
	So	3 -	1	103 -	Alberton	At	unknown	unknown
	La	2 -	1	102 -	Blackton	Bn	unknown	unknown
	Ti	1 -	1	101 -	Boston	Bt	unknown	unknown
				200 =	Betanon	Bo	unknown	unknown

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Light Absorption for the 1st Octave of Matter

unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
An	Io	Vj	Mv	Tn	At	Bn	Bt	Bo
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3-	2-	1-	0=
100=	101+	102+	103+	104‡	103-	102-	101-	200=

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Light Emission for the 1st Octave of Matter

unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
An	Io	Vj	Mv	Tn	At	Bn	Bt	Bo
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3-	2-	1-	0=
100=	101+	102+	103+	104‡	103-	102-	101-	200=

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The tones of Walter Russell's second octave of matter

Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
		0 =		200 =	Betanon	Bo	unknown	unknown
	Do	1 +	2	201 +	Jamearnon	Jn	unknown	unknown
	Re	2 +	2	202 +	Erneston	En	unknown	unknown
	Mi	3 +	2	203 +	Eykaon	Ek	unknown	unknown
	Fa	4 ‡	2	204 ‡	Athenon	Ae	unknown	unknown
	So	3 -	2	203 -	Barnardon	Bd	unknown	unknown
	La	2 -	2	202 -	Delphanon	Dn	unknown	unknown
	Ti	1 -	2	201 -	Romanon	Rn	unknown	unknown
		0 =		300 =	Gammanon	Gn	unknown	unknown

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Light Absorption for the 2nd Octave of Matter

unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
Bo	Jn	En	Ek	Ae	Bd	Dn	Rn	Gn
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3-	2-	1-	0=
200=	201+	202+	203+	204‡	203-	202-	201-	300=

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Light Emission for the 2nd Octave of Matter

unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
Bo	Jn	En	Ek	Ae	Bd	Dn	Rn	Gn
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3-	2-	1-	0=
200=	201+	202+	203+	204‡	203-	202-	201-	300=

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The tones of Walter Russell's third octave of matter

Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
		0 =		300 =	Gammanon	Gn	unknown	unknown
	Do	1 +	3	301 +	Marconium	Mc	unknown	unknown
	Re	2 +	3	302 +	Penrymium	Pn	unknown	unknown
	Mi	3 +	3	303 +	Vinton	Vn	unknown	unknown
	Fa	4 ‡	3	304 ‡	Quentin	Qn	unknown	unknown
	So	3 -	3	303 -	Tracion	Tc	unknown	unknown
	La	2 -	3	302 -	Buzzeon	Bz	unknown	unknown
	Ti	1 -	3	301 -	Helenon	Hl	unknown	unknown
		0 =		400 =	Hydron	Hy	unknown	unknown

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Light Absorption for the 3rd Octave of Matter

unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
Gn	Mc	Pn	Vn	Qn	Tc	Bz	Hl	Hy
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3—	2—	1—	0=
300=	301+	302+	303+	304‡	303—	302—	301—	400=

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Light Emission for the 3rd Octave of Matter

unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown
Gn	Mc	Pn	Vn	Qn	Tc	Bz	Hi	Hy
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3-	2-	1-	0=
300=	301+	302+	303+	304‡	303-	302-	301-	400=

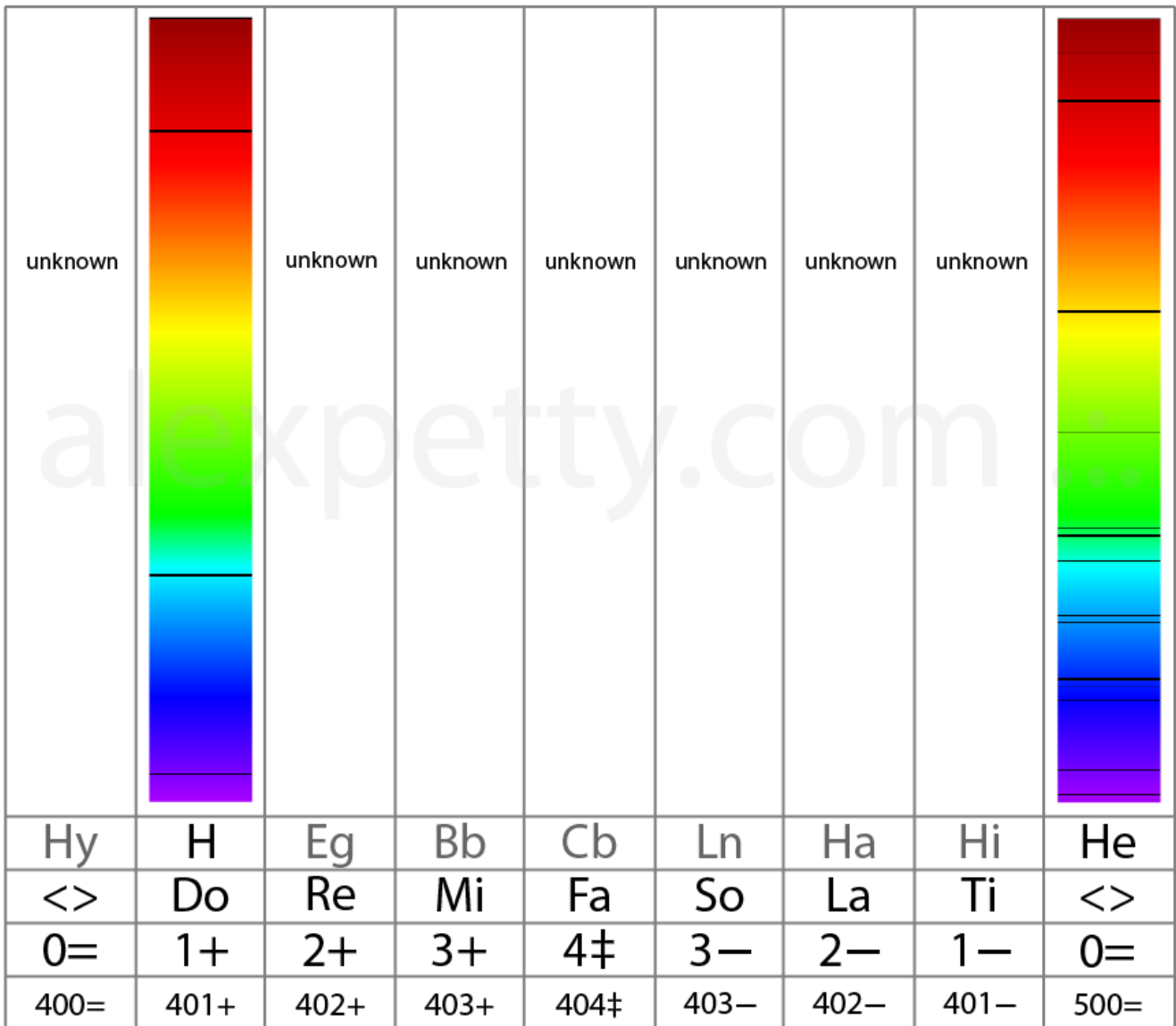
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The tones of Walter Russell's fourth octave of matter

Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
		0 =		400 =	Hydron	Hy	unknown	unknown
1	Do	1 +	4	401 +	Hydrogen	H	1.0079	-259
	Re	2 +	4	402 +	Ethlogen	Eg	unknown	unknown
	Mi	3 +	4	403 +	Bebegen	Bb	unknown	unknown
	Fa	4 ‡	4	404 ‡	Carbogen	Cb	unknown	unknown
	So	3 -	4	403 -	Luminon	Ln	2.92	unknown
	La	2 -	4	402 -	Halanon	Ha	unknown	unknown
	Ti	1 -	4	401 -	Helionon	Hi	unknown	unknown
2		0 =		500 =	Helium	He	4.0026	-272

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Light Absorption for the 4th Octave of Matter





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Light Emission for the 4th Octave of Matter

unknown		unknown	unknown	unknown	unknown	unknown	unknown	
Hy	H	Eg	Bb	Cb	Ln	Ha	Hi	He
<>	Do	Re	Mi	Fa	So	La	Ti	<>
0=	1+	2+	3+	4‡	3-	2-	1-	0=
400=	401+	402+	403+	404‡	403-	402-	401-	500=

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At man's present level of knowledge, the first octave of light in which all of the major tones have been identified is the The Helium Octave. This includes the tones:

Lithium – Beryllium – Boron – Carbon – Nitrogen – Oxygen – Fluorine

Note that the Noble Gases are at equilibrium and produce no physical vibration. In this way, I think there may be some relationship between the nature of Noble Gases and that of Prime Numbers.

The tones of Walter Russell's fifth octave of matter

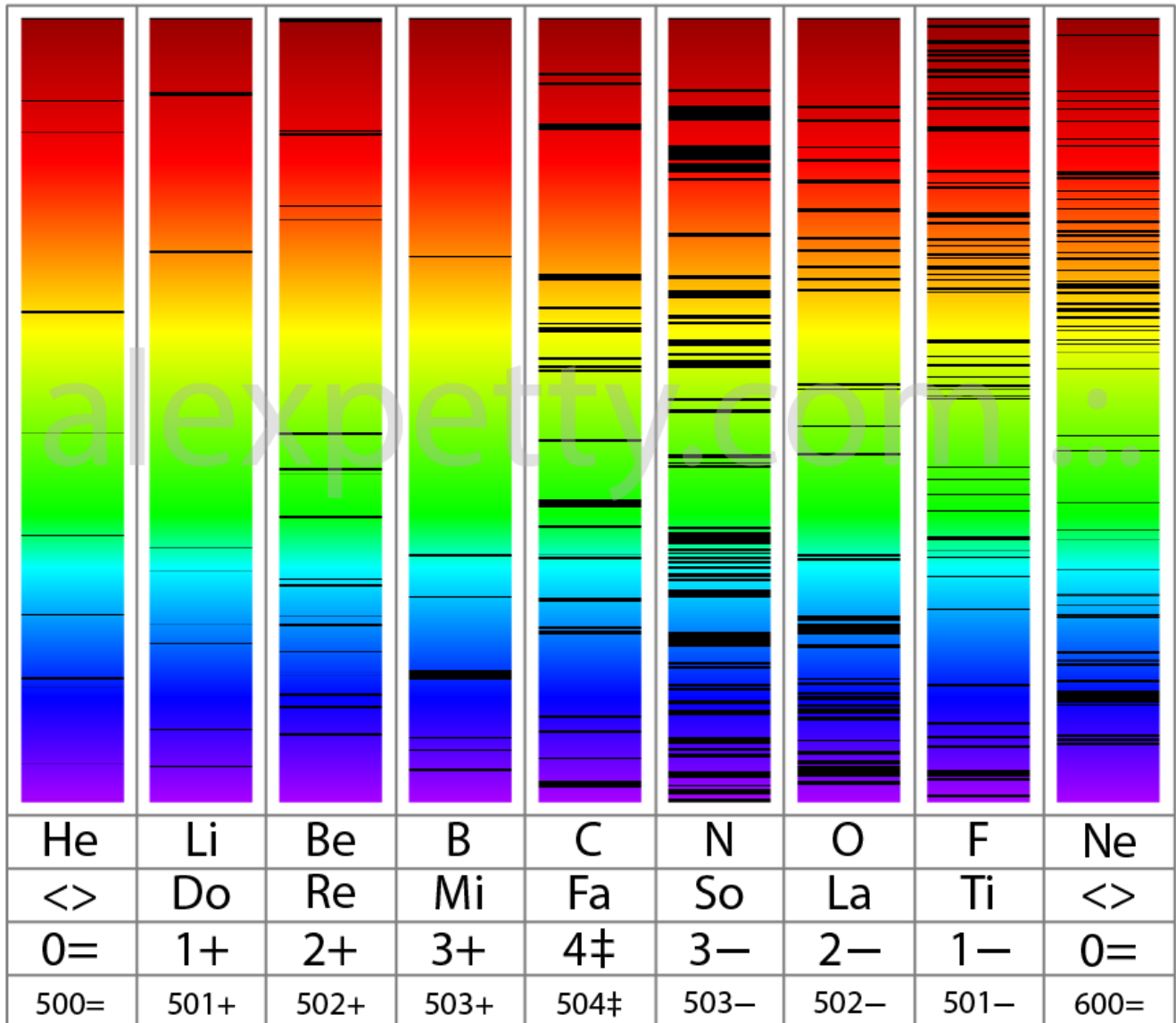
Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
2		0 =		500 =	Helium	He	4.0026	-272
3	Do	1 +	5	501 +	Lithium	Li	6.941	180
4	Re	2 +	5	502 +	Beryllium	Be	9.0122	1278
5	Mi	3 +	5	503 +	Boron	B	10.811	2300
6	Fa	4 ‡	5	504 ‡	Carbon	C	12.0107	3500
7	So	3 -	5	503 -	Nitrogen	N	14.0067	-210
8	La	2 -	5	502 -	Oxygen	O	15.9994	-218
9	Ti	1 -	5	501 -	Fluorine	F	18.9984	-220
10		0 =		600 =	Neon	Ne	20.1797	-249

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Light Absorption for the 5th Octave of Matter

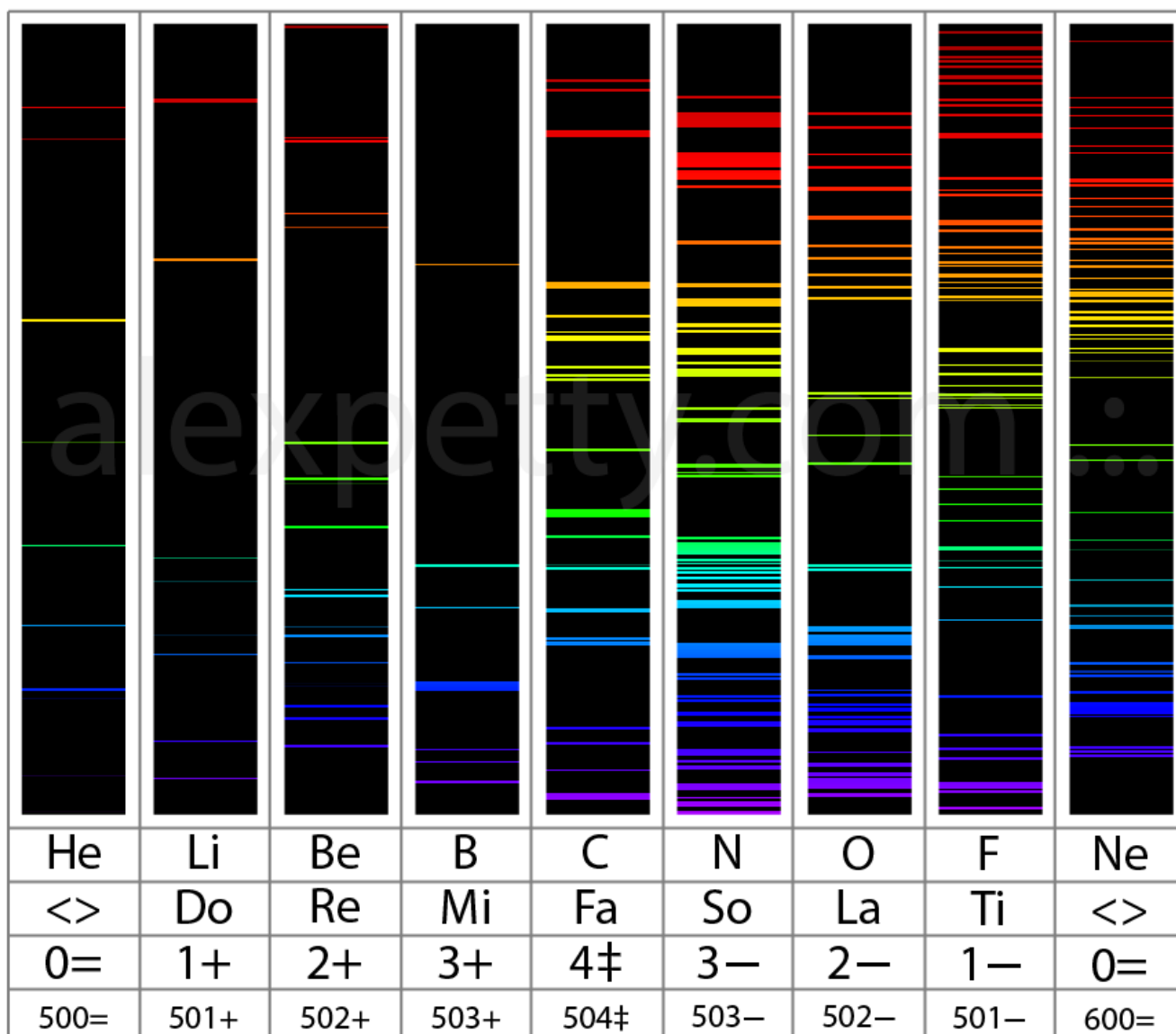


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Light Emission for the 5th Octave of Matter



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The octave above The Helium Octave is the Neon Octave and it includes the major tones:

Sodium – Magnesium – Aluminum – Silicon – Phosphorus – Sulfur – Chlorine – Neon

The tones of Walter Russell's sixth octave of matter

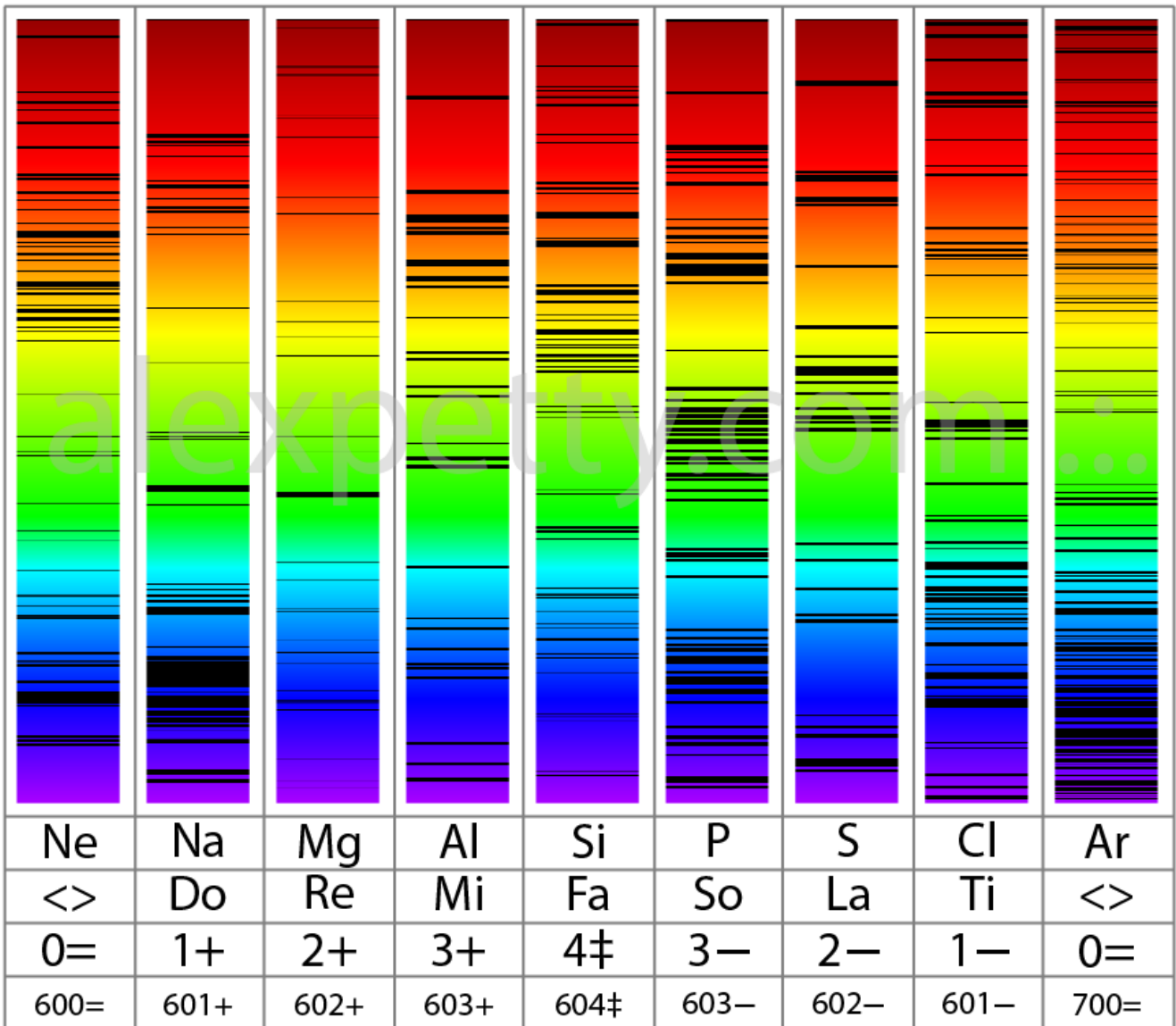
Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
10		0 =		600 =	Neon	Ne	20.1797	-249
11	Do	1 +	6	601 +	Sodium	Na	22.9897	98
12	Re	2 +	6	602 +	Magnesium	Mg	24.305	639
13	Mi	3 +	6	603 +	Aluminum	Al	26.9815	660
14	Fa	4 ‡	6	604 ‡	Silicon	Si	28.0855	1410
15	So	3 -	6	603 -	Phosphorus	P	30.9738	44
16	La	2 -	6	602 -	Sulfur	S	32.065	113
17	Ti	1 -	6	601 -	Chlorine	Cl	35.453	-101
18		0 =		700 =	Argon	Ar	39.948	-189

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Light Absorption for the 6th Octave of Matter

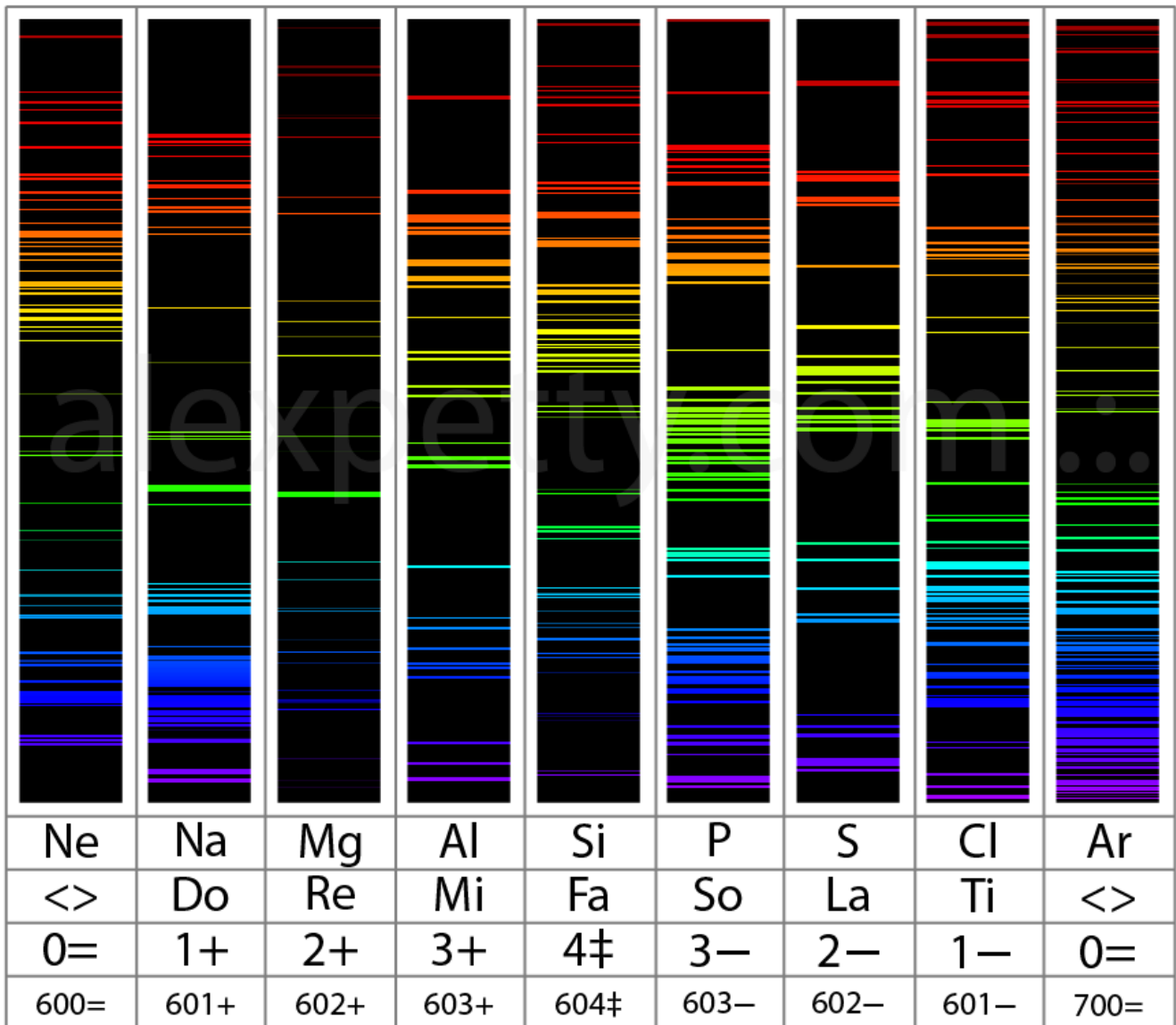


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Light Emission for the 6th Octave of Matter



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The listing of these Semi tones for the 7th Octave of matter (The Argon Octave) including their associated Major tones are:

Potassium – Calcium – Scandium | (Major tones)

Titanium – Vanadium – Chromium – Manganese – Iron | (Semi tones)

Cobalt | (Major tone)

Nickel – Copper – Zinc – Gallium – Germanium | (Semi tones)

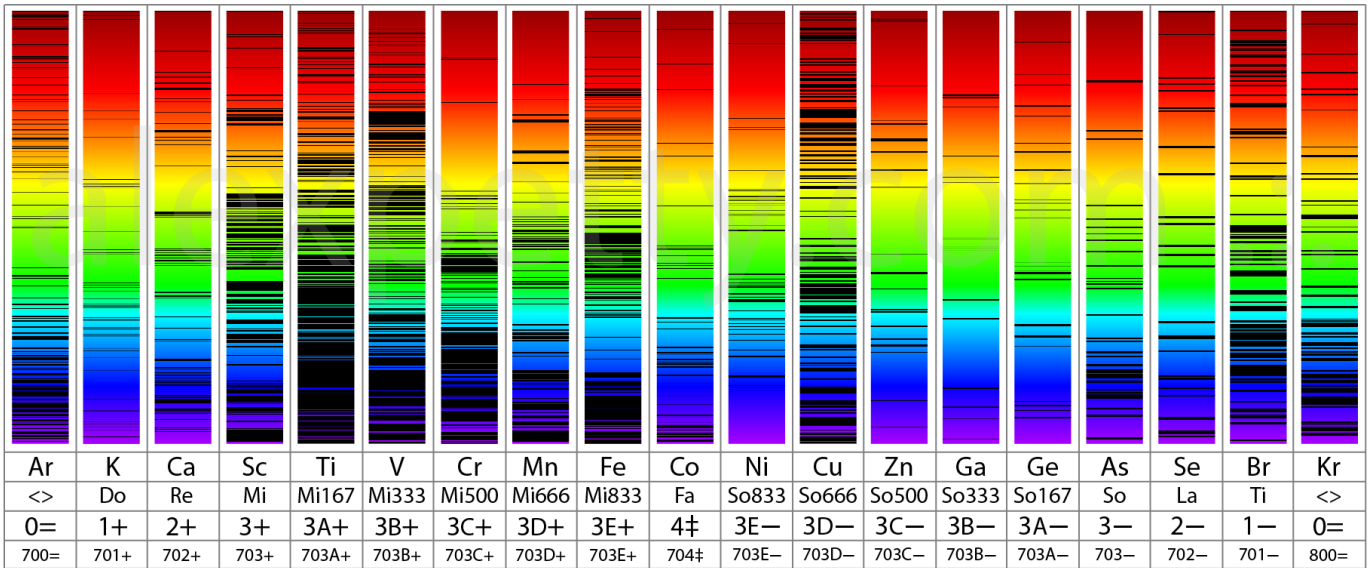
Arsenic – Selenium – Bromine | (Major tones)

The tones of Walter Russell's seventh octave of matter

Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
18		0 =		700 =	Argon	Ar	39.948	-189
19	Do	1 +	7	701 +	Potassium	K	39.0983	64
20	Re	2 +	7	702 +	Calcium	Ca	40.078	839
21	Mi	3 +	7	703 +	Scandium	Sc	44.9559	1539
22	Mi167	3A +	7	703A +	Titanium	Ti	47.867	1660
23	Mi333	3B +	7	703B +	Vanadium	V	50.9415	1890
24	Mi500	3C +	7	703C +	Chromium	Cr	51.9961	1857
25	Mi666	3D +	7	703D +	Manganese	Mn	54.938	1245
26	Mi833	3E +	7	703E +	Iron	Fe	55.845	1535
27	Fa	4 ‡	7	704 ‡	Cobalt	Co	58.9332	1495
28	So833	3E -	7	703E -	Nickel	Ni	58.6934	1453
29	So666	3D -	7	703D -	Copper	Cu	63.546	1083
30	So500	3C -	7	703C -	Zinc	Zn	65.39	420
31	So333	3B -	7	703B -	Gallium	Ga	69.723	30
32	So167	3A -	7	703A -	Germanium	Ge	72.64	937
33	So	3 -	7	703 -	Arsenic	As	74.9216	81
34	La	2 -	7	702 -	Selenium	Se	78.96	217
35	Ti	1 -	7	701 -	Bromine	Br	79.904	-7
36				800 =	Krypton	Kr	83.8	-157

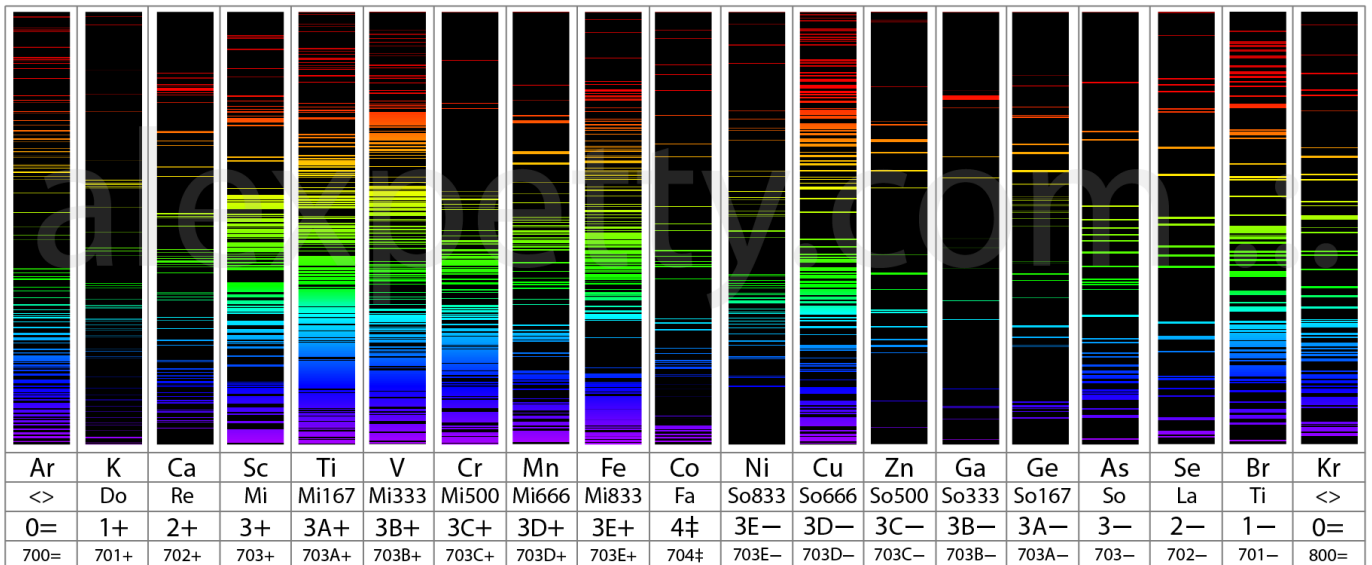
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Light Absorption for the 7th Octave of Matter



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Light Emission for the 7th Octave of Matter



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The listing of Semi tones for the 8th Octave of matter (The Krypton Octave) including their associated Major tones are:

Rubidium – Strontium – Yttrium | (Major tones)

Zirconium – Niobium – Molybdenum – Technetium – Ruthenium | (Semi tones)

Rhodium | (Major Tone)

Palladium – Silver – Cadmium – Indium – Tin | (Semi Tones)

Antimony – Tellurium – Iodine | (Major Tones)

The tones of Walter Russell's eighth octave of matter

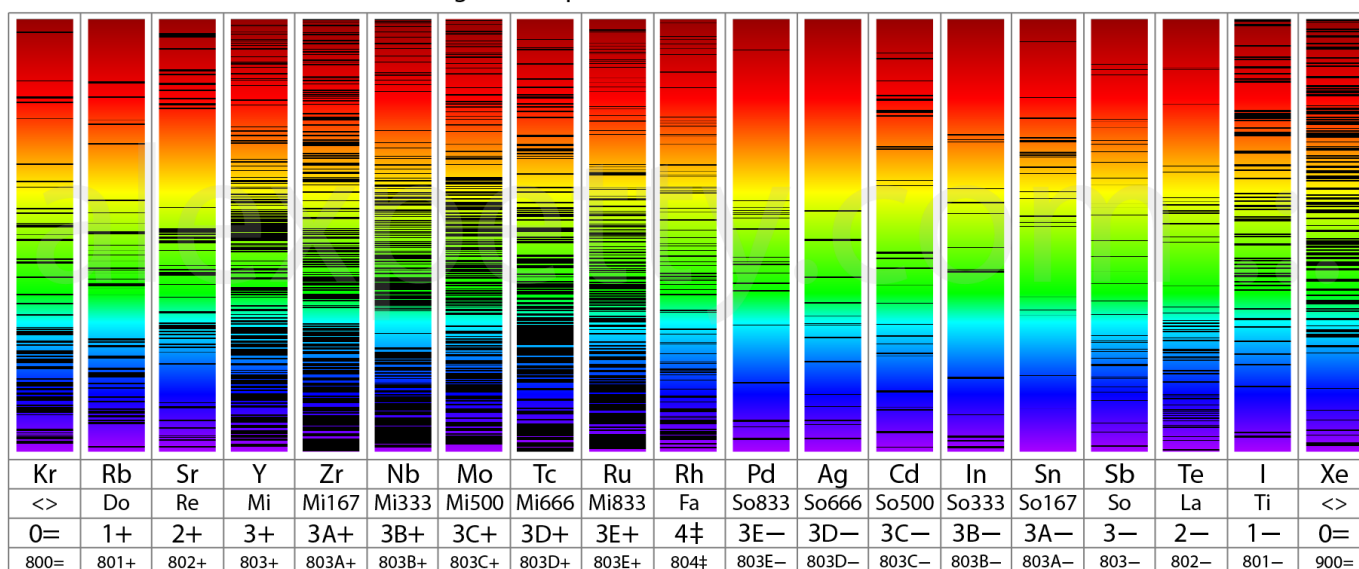
Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
36				800 =	Krypton	Kr	83.8	-157
37	Do	1 +	8	801 +	Rubidium	Rb	85.4678	39
38	Re	2 +	8	802 +	Strontium	Sr	87.62	769
39	Mi	3 +	8	803 +	Yttrium	Y	88.9059	1523
40	Mi167	3A +	8	803A +	Zirconium	Zr	91.224	1852
41	Mi333	3B +	8	803B +	Niobium	Nb	92.9064	2468
42	Mi500	3C +	8	803C +	Molybdenum	Mo	95.94	2617
43	Mi666	3D +	8	803D +	Technetium	Tc	98	2200
44	Mi833	3E +	8	803E +	Ruthenium	Ru	101.07	2250
45	Fa	4 ‡	8	804 ‡	Rhodium	Rh	102.9055	1966
46	So833	3E -	8	803E -	Palladium	Pd	106.42	1552
47	So666	3D -	8	803D -	Silver	Ag	107.8682	962
48	So500	3C -	8	803C -	Cadmium	Cd	112.411	321
49	So333	3B -	8	803B -	Indium	In	114.818	157
50	So167	3A -	8	803A -	Tin	Sn	118.71	232
51	So	3 -	8	803 -	Antimony	Sb	121.76	630
52	La	2 -	8	802 -	Tellurium	Te	127.6	449
53	Ti	1 -	8	801 -	Iodine	I	126.9045	114
54		0 =		900 =	Xenon	Xe	131.293	-112

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Light Absorption for the 8th Octave of Matter

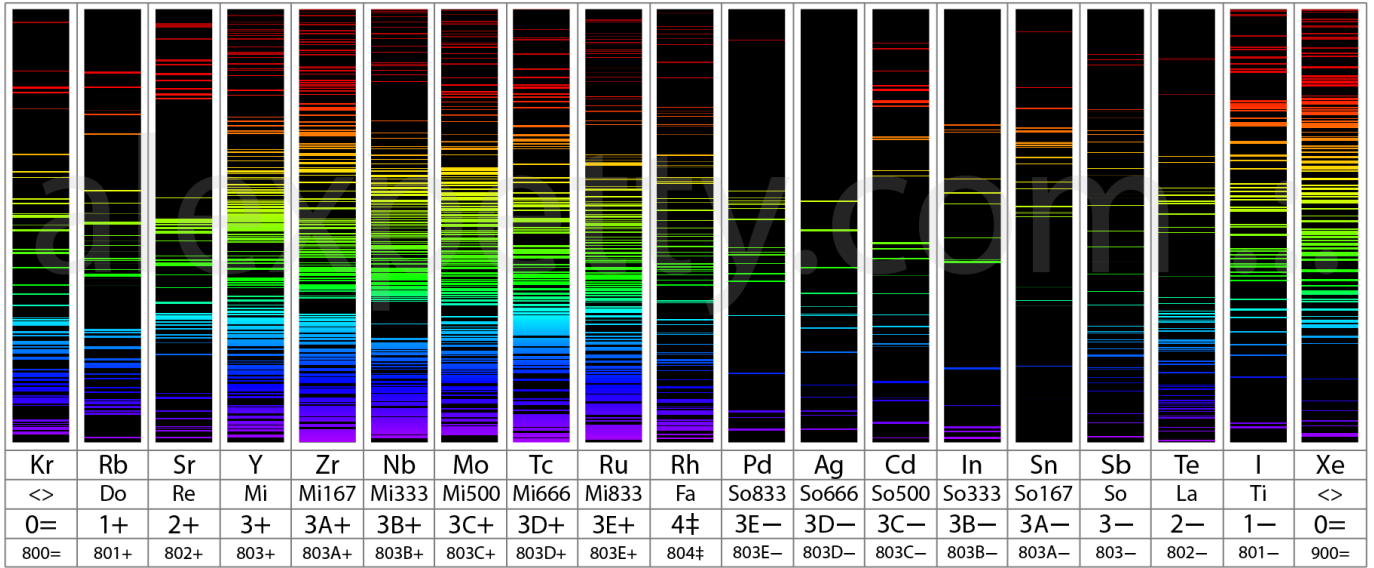


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The listing of tones for the 9th Octave of matter, The Xenon Octave are:

Caesium – Barium – Lanthanum | (Major tones)

Cerium – Praseodymium – Neodymium – Promethium – Samarium – Europium – Gadolinium – Terbium – Dysprosium – Holmium – Erbium – Thulium | (Semi tones)

Ytterbium | (Major Tone)

Lutetium – Hafnium – Tantalum – Tungsten – Rhenium – Osmium – Iridium – Platinum – Gold – Mercury – Thallium – Lead | (Semi Tones)

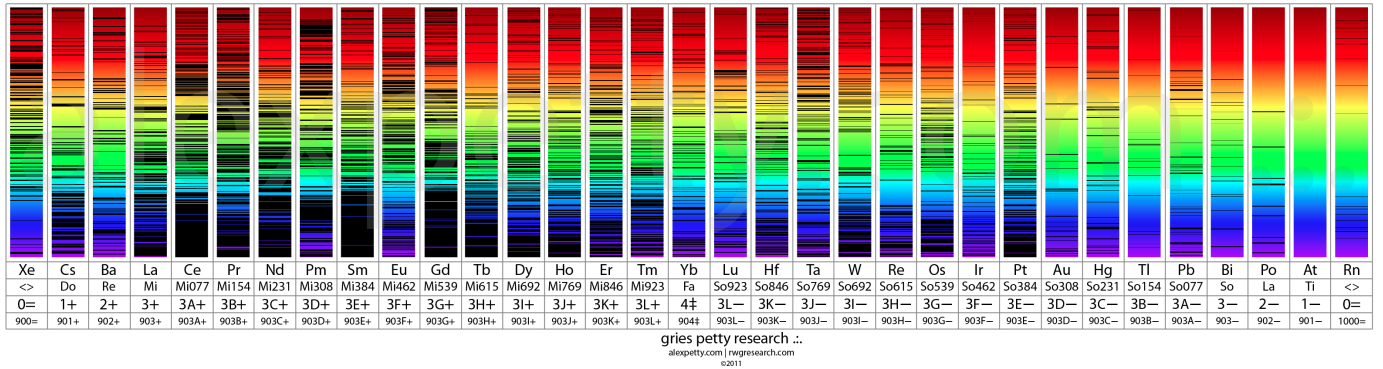
Bismuth – Polonium – Astatine | (Major Tones)

The tones of walter Russell's ninth octave of matter

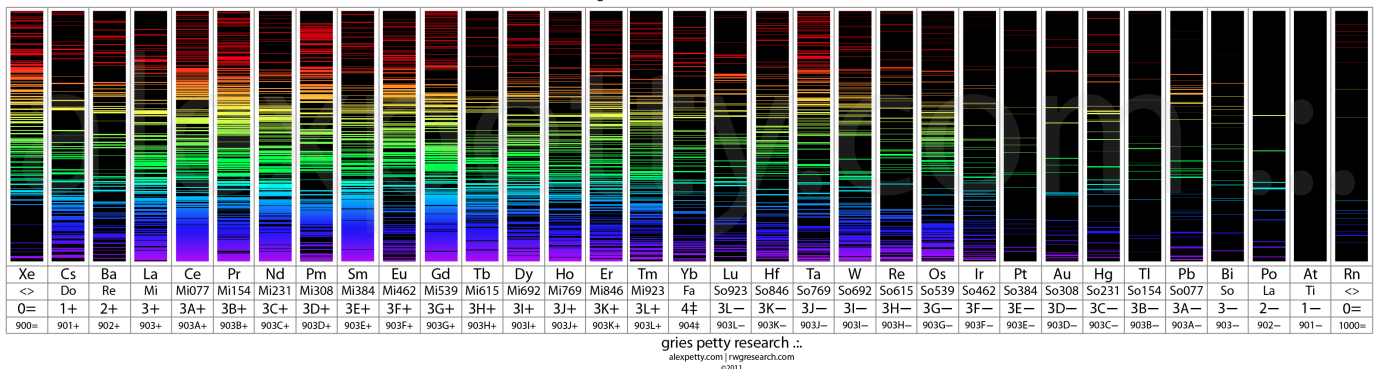
Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
54		0 =		900 =	Xenon	Xe	131.293	-112
55	Do	1 +	9	901 +	Cesium	Cs	132.906	29
56	Re	2 +	9	902 +	Barium	Ba	137.327	725
57	Mi	3 +	9	903 +	Lanthanum	La	138.906	920
58	Mi077	3A +	9	903A +	Cerium	Ce	140.116	795
59	Mi154	3B +	9	903B +	Praseodymium	Pr	140.908	935
60	Mi231	3C +	9	903C +	Neodymium	Nd	144.24	1010
61	Mi308	3D +	9	903D +	Promethium	Pm	145	1100
62	Mi384	3E +	9	903E +	Samarium	Sm	150.36	1072
63	Mi462	3F +	9	903F +	Europium	Eu	151.964	822
64	Mi539	3G +	9	903G +	Gadolinium	Gd	157.25	1311
65	Mi615	3H +	9	903H +	Terbium	Tb	158.925	1360
66	Mi692	3I +	9	903I +	Dysprosium	Dy	162.5	1412
67	Mi769	3J +	9	903J +	Holmium	Ho	164.93	1470
68	Mi846	3K +	9	903K +	Erbium	Er	167.259	1522
69	Mi923	3L +	9	903L +	Thulium	Tm	168.934	1545
70	Fa	4 ‡	9	904 ‡	Ytterbium	Yb	173.04	824
71	So923	3L -	9	903L -	Lutetium	Lu	174.967	1656
72	So846	3K -	9	903K -	Hafnium	Hf	178.49	2150
73	So769	3J -	9	903J -	Tantalum	Ta	180.948	2996
74	So692	3I -	9	903I -	Tungsten	W	183.84	3410
75	So615	3H -	9	903H -	Rhenium	Re	186.207	3180
76	So539	3G -	9	903G -	Osmium	Os	190.23	3045
77	So462	3F -	9	903F -	Iridium	Ir	192.217	2410
78	So384	3E -	9	903E -	Platinum	Pt	195.078	1772
79	So308	3D -	9	903D -	Gold	Au	196.967	1064
80	So231	3C -	9	903C -	Mercury	Hg	200.59	-39
81	So154	3B -	9	903B -	Thallium	Tl	204.383	303
82	So077	3A -	9	903A -	Lead	Pb	207.2	327
83	Su	3 -	9	903 -	Bismuth	Bi	208.98	271
84	La	2 -	9	902 -	Polonium	Po	209	254
85	Ti	1 -	9	901 -	Astatine	At	210	302
86		0 =		1000 =	Radon	Rn	222	-71

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Light Absorption for the 9th Octave of Matter



Light Emission for the 9th Octave of Matter



The listing of Semi tones for the 10th Octave of matter (The Radon Octave) including their associated Major tones are:

Caesium – Barium – Lanthanum | (Major tones)

Cerium – Praseodymium – Neodymium – Promethium – Samarium – Europium – Gadolinium – Terbium – Dysprosium – Holmium – Erbium – Thulium | (Semi tones)

Ytterbium | (Major Tone)

Lutetium – Hafnium – Tantalum – Tungsten – Rhenium – Osmium – Iridium – Platinum – Gold – Mercury – Thallium – Lead | (Semi Tones)

Bismuth – Polonium – Astatine | (Major Tones)

The tones of Walter Russell's tenth octave of matter

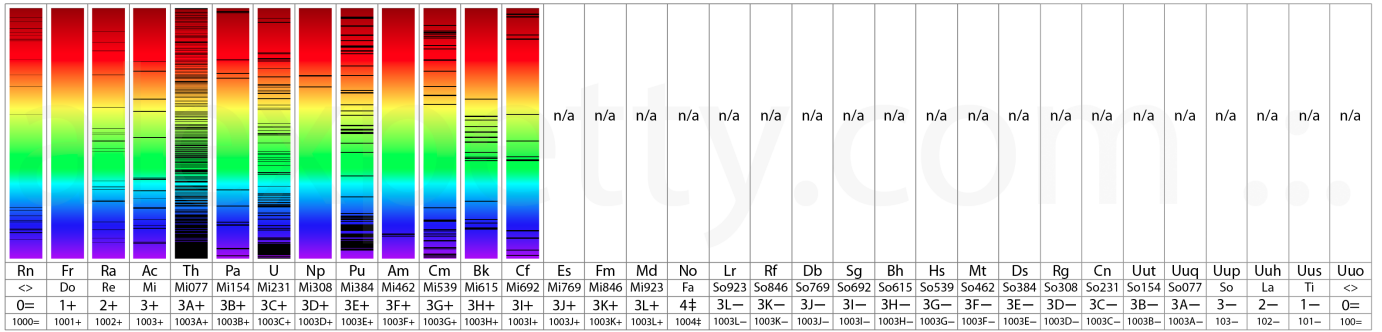
Atomic Number	Tone Interval	Tone Position	Octave Number	Tone Number	Element Name	Element Symbol	Atomic Weight	Melting Point (°C)
86		0 =		1000 =	Radon	Rn	222	-71
87	Do	1 +	10	1001 +	Francium	Fr	223	27
88	Re	2 +	10	1002 +	Radium	Ra	226	700
89	Mi	3 +	10	1003 +	Actinium	Ac	227	1050
90	Mi077	3A +	10	1003A +	Thorium	Th	232.038	1750
91	Mi154	3B +	10	1003B +	Protactinium	Pa	231.036	1568
92	Mi231	3C +	10	1003C +	Uranium	U	238.029	1132
93	Mi308	3D +	10	1003D +	Neptunium	Np	237	640
94	Mi384	3E +	10	1003E +	Plutonium	Pu	244	640
95	Mi462	3F +	10	1003F +	Americium	Am	243	994
96	Mi539	3G +	10	1003G +	Curium	Cm	247	1340
97	Mi615	3H +	10	1003H +	Berkelium	Bk	247	986
98	Mi692	3I +	10	1003I +	Californium	Cf	251	900
99	Mi769	3J +	10	1003J +	Einsteinium	Es	252	860
100	Mi846	3K +	10	1003K +	Fermium	Fm	257	1527
101	Mi923	3L +	10	1003L +	Mendelevium	Md	258	unknown
102	Fa	4 ‡	10	1004 ‡	Nobelium	No	259	827
103	So923	3L -	10	1003L -	Lawrencium	Lr	262	1627
104	So846	3K -	10	1003K -	Rutherfordium	Rf	261	unknown
105	So769	3J -	10	1003J -	Dubnium	Db	262	unknown
106	So692	3I -	10	1003I -	Seaborgium	Sg	266	unknown
107	So615	3H -	10	1003H -	Bohrium	Bh	264	unknown
108	So539	3G -	10	1003G -	Hassium	Hs	277	unknown
109	So462	3F -	10	1003F -	Meitnerium	Mt	268	unknown
110	So384	3E -	10	1003E -	Darmstadtium	Ds	281	unknown
111	So308	3D -	10	1003D -	Roentgenium	Rg	281	unknown
112	So231	3C -	10	1003C -	Copernicium	Cn	285	unknown
113	So154	3B -	10	1003B -	Ununtrium	Uut	286	unknown
114	So077	3A -	10	1003A -	Ununquadium	Uuq	289	unknown
115	So	3 -	10	103 -	Ununpentium	Uup	289	unknown
116	La	2 -	10	102 -	Ununhexium	Uuh	293	unknown
117	Ti	1 -	10	101 -	Ununseptium	Uus	294	unknown
118		0 =		100 =	Ununoctium	Uuo	294	unknown

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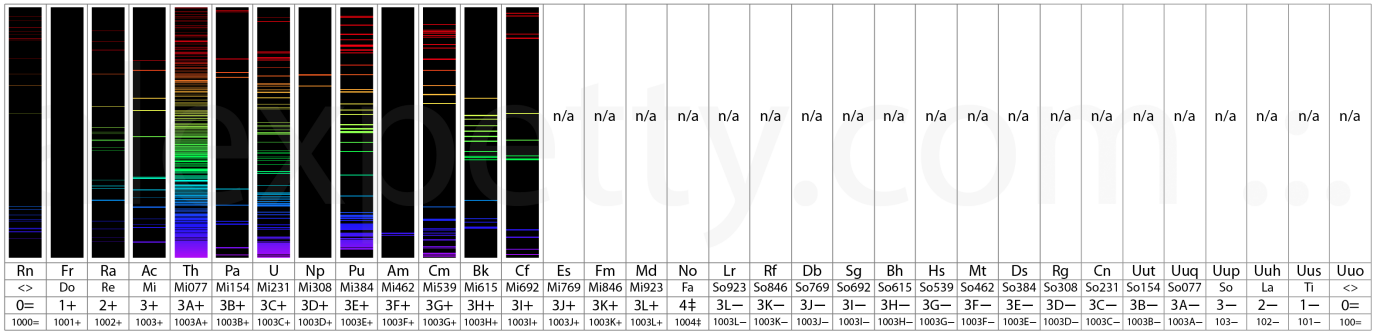
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Light Emission for the 10th Octave of Matter



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In the same way that the “number line”

the number line

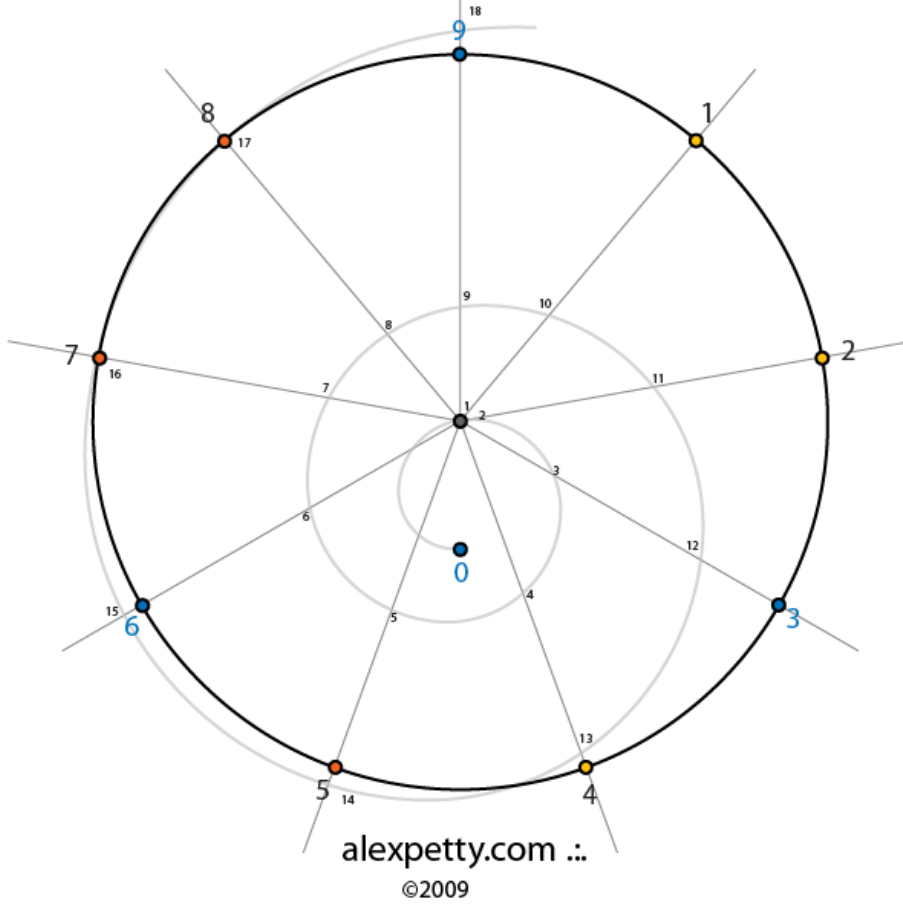


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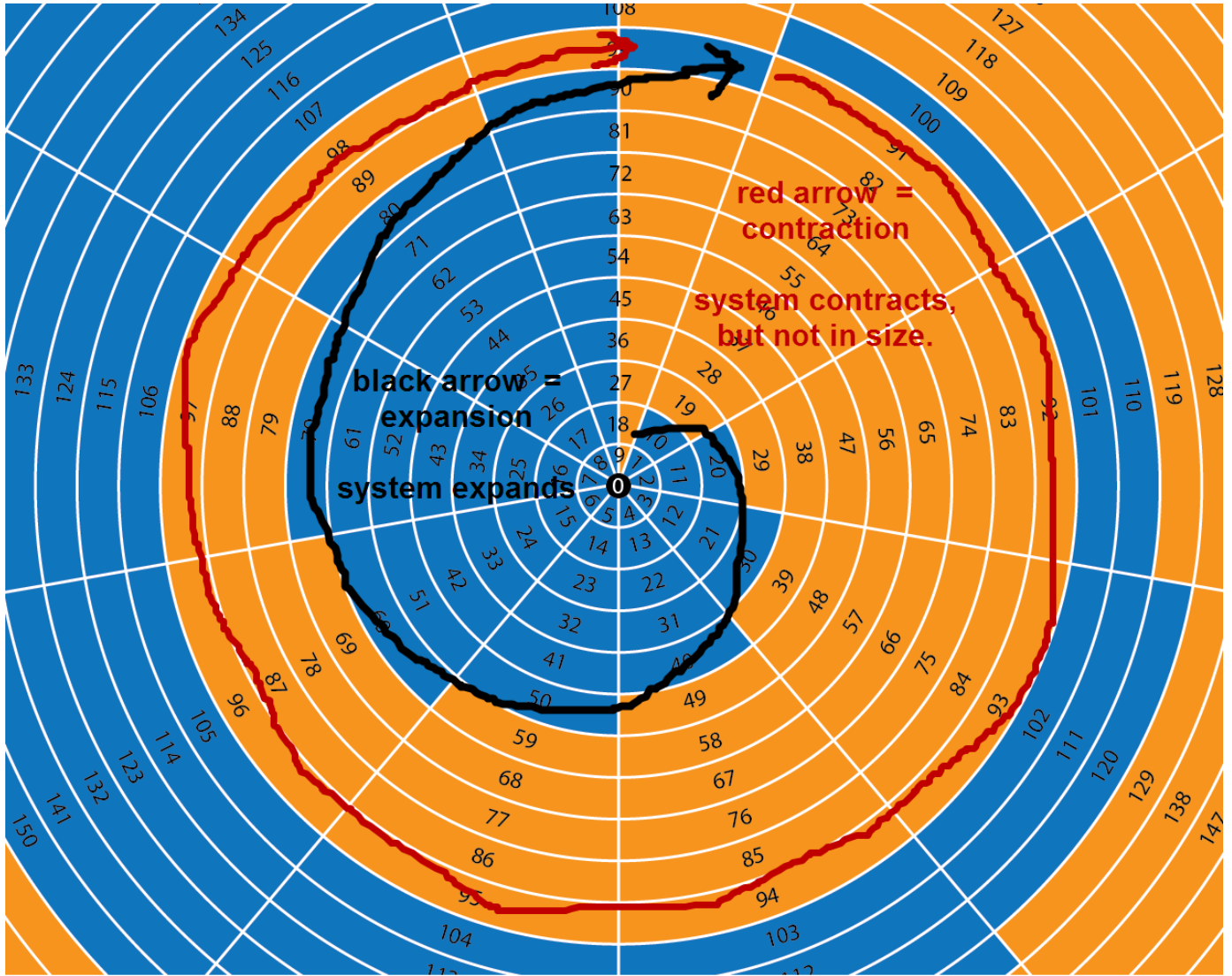
is more rightly thought of as a “number spiral”

the numeric spiral



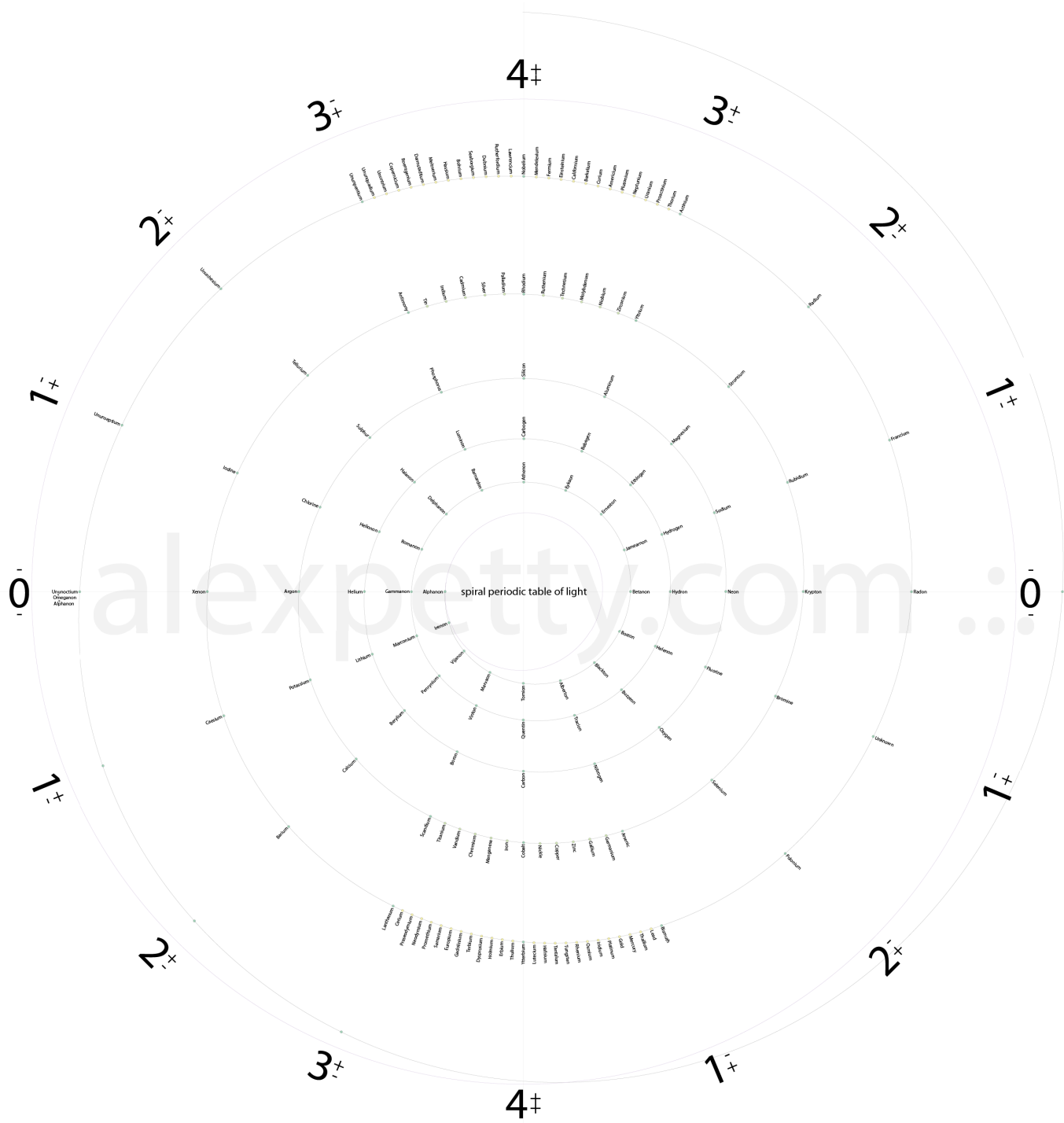
and in the same way that the growth and contraction structure of numbers themselves cycle internally with "breathe-like" ebb and flow,

interpretation of the interlaced spirals



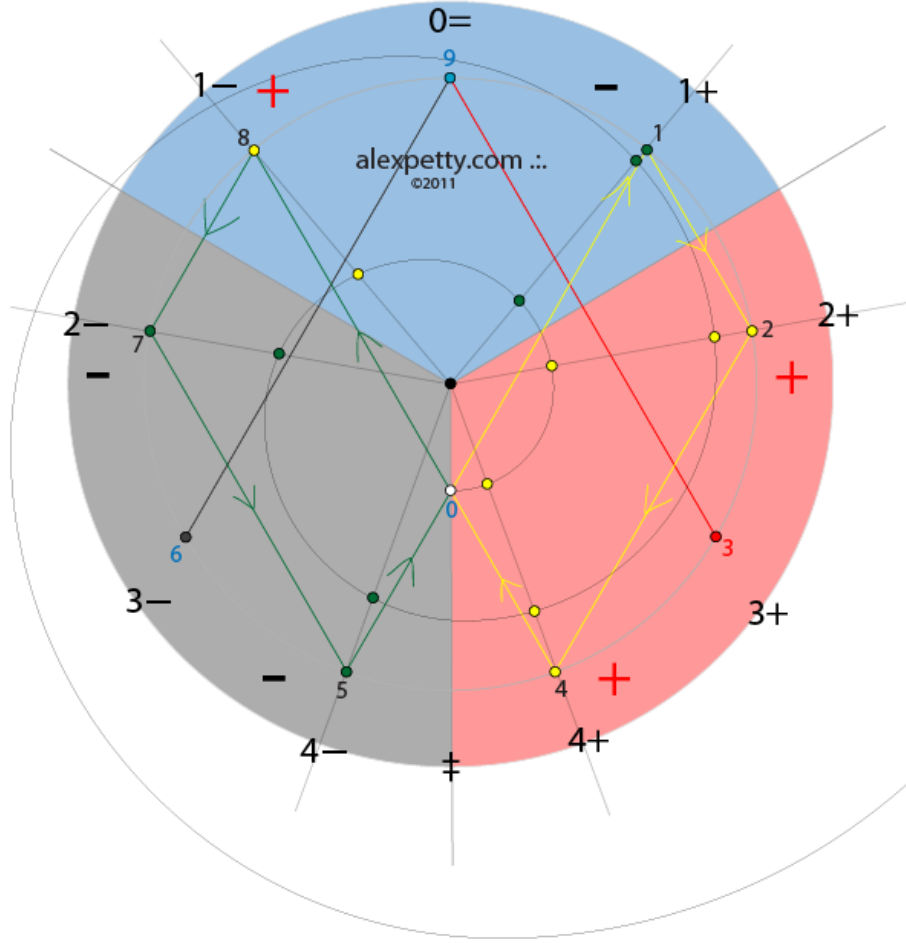
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so too is the periodic table more closely representative of matter's true nature with all its periodicities when represented using a spiral rather than today's less perfect rectangular representation.



The mapping between the Spiral Periodic Table of Light and the Vortex Glyph is as follows:

zero and nine are
the α and Ω



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About The Author



Alex Petty

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