

# A Inspiração Química



# Lágrima de Preta

Encontrei uma preta  
que estava a chorar,  
pedi-lhe uma lágrima  
para a analisar.

Recolhi a lágrima  
com todo o cuidado  
num tubo de ensaio  
bem esterilizado.

Olhei-a de um lado,  
do outro e de frente:  
tinha um ar de gota  
muito transparente.

Mandei vir os ácidos,  
as bases e os sais,  
as drogas usadas  
em casos que tais.

Ensaiei a frio,  
experimentei ao lume,  
de todas as vezes  
deu-me o que é costume:

Nem sinais de negro,  
nem vestígios de ódio.  
Água (quase tudo)  
e cloreto de sódio.

# A organização do Mundo

Empédocles, e depois Aristóteles — os quatro elementos

## Presídio

Nem todo o corpo é de carne...Não, nem todo.

Que dizer do pescoço, às vezes mármore,

às linho, lago, tronco de árvore,

nuvem, ou ave, ao tato sempre pouco...?

e o ventre, inconsistente como o lodo?...

e o morno gradeamento dos teus braços?

Não, meu amor... Nem todo o corpo é carne:

é também água, terra, vento, fogo...

É sobretudo sombra à despedida;

onda de pedra em cada reencontro;

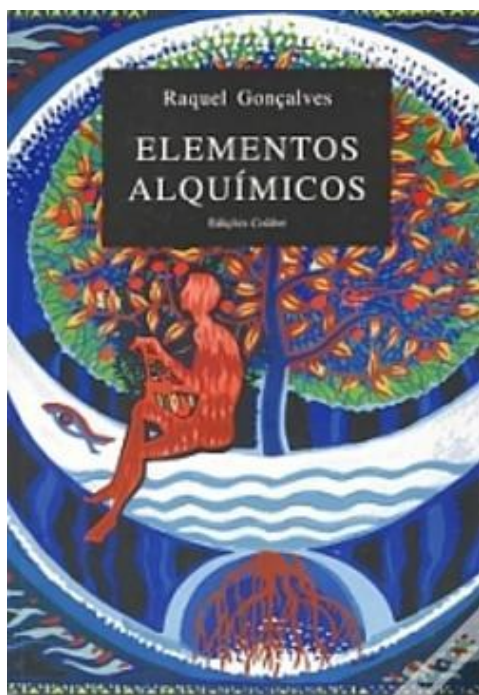
no parque da memória o fugidio

vulto da Primavera em pleno Outono...

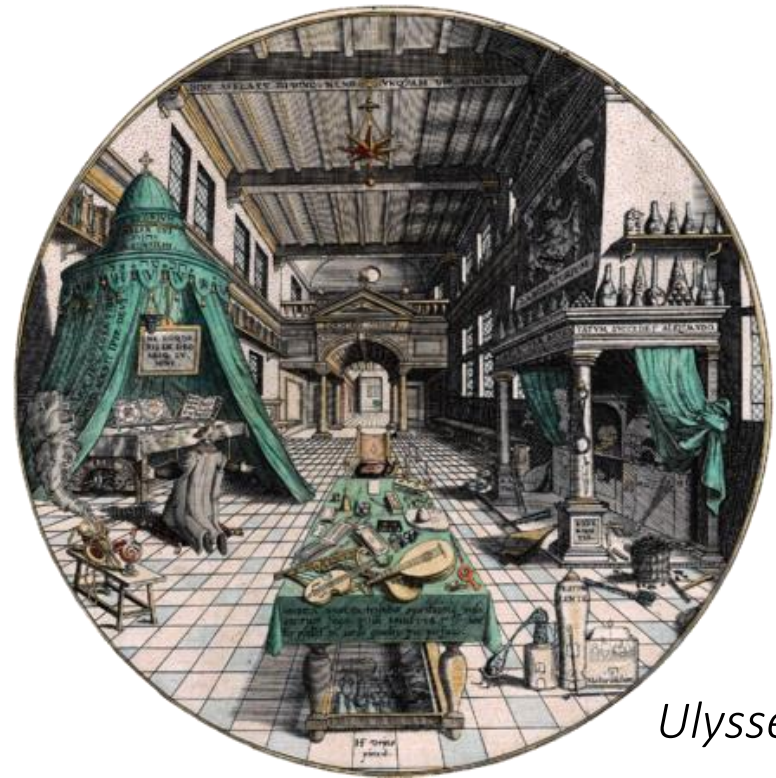
Nem só de carne é feito este presídio,

pois no teu corpo existe o mundo todo!

David Mourão Ferreira  
*A Arte de Amar*









# Alquimia



*Ulysses (?)*

Mármore capaz de tudo, e vento, porque não?  
Mármore capaz de tudo, de tudo recolher  
E transmudar em nada. De transmudar o ouro  
—alquimia ao contrário— na poeira que o vento  
ao próprio vento espalha...  
Mármore, sim, mas mole.  
E mais que mármore mar — que dentro de nós morre.

# ELEMENTS

	Hydrogen	<sup>w<sup>t</sup></sup> 1		Strontian	<sup>w<sup>t</sup></sup> 46
	Azote	5		Barytes	68
	Carbon	5		Iron	50
	Oxygen	7		Zinc	56
	Phosphorus	9		Copper	56
	Sulphur	13		Lead	90
	Magnesia	20		Silver	190
	Lime	24		Gold	190
	Soda	28		Platina	190
	Potash	42		Mercury	167

Lavoisier  
John Dalton  
John Newlands

# ОПЫТЪ СИСТЕМЫ ЭЛЕМЕНТОВЪ.

ОСНОВАННОЙ НА ИХЪ АТОМНОМЪ ВѢСѢ И ХИМИЧЕСКОМЪ СХОДСТВѢ.

			Ti = 50	Zr = 90	? = 180.
			V = 51	Nb = 94	Ta = 182.
			Cr = 52	Mo = 96	W = 186.
			Mn = 55	Rh = 104,4	Pt = 197,4.
			Fe = 56	Rn = 104,4	Ir = 198.
			Ni = Co = 59	Pt = 106,8	Os = 199.
H = 1			Cu = 63,4	Ag = 108	Hg = 200.
	Be = 9,4	Mg = 24	Zn = 65,2	Cd = 112	
	B = 11	Al = 27,4	? = 68	Ur = 116	Au = 197?
	C = 12	Si = 28	? = 70	Sn = 118	
	N = 14	P = 31	As = 75	Sb = 122	Bi = 210?
	O = 16	S = 32	Se = 79,4	Te = 128?	
	F = 19	Cl = 35,6	Br = 80	I = 127	
Li = 7	Na = 23	K = 39	Rb = 85,4	Cs = 133	Tl = 204.
		Ca = 40	Sr = 87,6	Ba = 137	Pb = 207.
		? = 45	Ce = 92		
		?Er = 56	La = 94		
		?Yt = 60	Di = 95		
		?In = 75,6	Th = 118?		

			Ti = 50	Zr = 90	? = 180
			V = 51	Nb = 94	Ta = 182
			Cr = 52	Mo = 96	W = 186
			Mn = 55	Rh = 104,4	Pt = 197,4
			Fe = 56	Ru = 104,4	Ir = 198
		Ni =	Co = 59	Pd = 106,6	Os = 199
H = 1			Cu = 63,4	Ag = 108	Hg = 200
	Be = 9,4	Mg = 24	Zn = 65,2	Cd = 112	
	B = 11	Al = 27,4	? = 68	Ur = 116	Au = 197?
	C = 12	Si = 28	? = 70	Sn = 118	
	N = 14	P = 31	As = 75	Sb = 122	Bi = 210?
	O = 16	S = 32	Se = 79,4	Te = 128?	
	F = 19	Cl = 35,5	Br = 80	J = 127	
Li = 7	Na = 23	K = 39	Rb = 85,4	Cs = 133	Tl = 204
		Ca = 40	Sr = 87,6	Ba = 137	Pb = 207
		? = 45	Ce = 92		
		?Er = 56	La = 94		
		?Yt = 60	Di = 95		
		?In = 75,6	Th = 118?		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1A																	8A	
1 <b>H</b> Hidrogênio 1,00794																	2 <b>He</b> Hélio 4,002602	
2 <b>Li</b> Lítio 6,941	2A <b>Be</b> Berílio 9,012182											3A <b>B</b> Boro 10,811	4A <b>C</b> Carbono 12,0107	5A <b>N</b> Nitrogênio 14,0067	6A <b>O</b> Oxigênio 15,9994	7A <b>F</b> Flúor 18,9984032	10 <b>Ne</b> Neônio 20,1797	
3 <b>Na</b> Sódio 22,98976...	3 <b>Mg</b> Magnésio 24,305											3A <b>Al</b> Alumínio 26,9815386	4A <b>Si</b> Silício 28,0855	5A <b>P</b> Fósforo 30,973762	6A <b>S</b> Enxofre 32,065	7A <b>Cl</b> Cloro 35,453	18 <b>Ar</b> Argônio 39,948	
4 <b>K</b> Potássio 39,0983	4 <b>Ca</b> Cálcio 40,078	3B <b>Sc</b> Escândio 44,955912	4B <b>Ti</b> Titânio 47,887	5B <b>V</b> Vanádio 50,9415	6B <b>Cr</b> Cromo 51,9961	7B <b>Mn</b> Manganês 54,938045	8B <b>Fe</b> Ferro 55,845		<b>Co</b> Cobalto 58,933195	<b>Ni</b> Níquel 58,6934	1B <b>Cu</b> Cobre 63,546	2B <b>Zn</b> Zinco 65,38	3A <b>Ga</b> Gálio 69,723	4A <b>Ge</b> Germânio 72,63	5A <b>As</b> Arsênio 74,9216	6A <b>Se</b> Selênio 78,96	7A <b>Br</b> Bromo 79,904	36 <b>Kr</b> Criptônio 83,798
5 <b>Rb</b> Rubídio 85,4678	5 <b>Sr</b> Estrôncio 87,62	5 <b>Y</b> Ítrio 88,90585	5 <b>Zr</b> Zircônio 91,224	5 <b>Nb</b> Nióbio 92,90638	5 <b>Mo</b> Molibdênio 95,96	5 <b>Tc</b> Tecnécio (98)	5 <b>Ru</b> Rutênio 101,07	5 <b>Rh</b> Ródio 102,9055	5 <b>Pd</b> Paládio 106,42	5 <b>Ag</b> Prata 107,8682	5 <b>Cd</b> Cádmio 112,411	5 <b>In</b> Índio 114,818	5 <b>Sn</b> Estanho 118,71	5 <b>Sb</b> Antimônio 121,76	5 <b>Te</b> Telúrio 127,6	5 <b>I</b> Iodo 126,90447	5 <b>Xe</b> Xenônio 131,293	
6 <b>Cs</b> Césio 132,9054...	6 <b>Ba</b> Bário 137,327	6 57-71 *	6 <b>Hf</b> Háfnio 178,49	6 <b>Ta</b> Tântalo 180,94788	6 <b>W</b> Tungstênio 183,84	6 <b>Re</b> Rênio 186,207	6 <b>Os</b> Ósmio 190,23	6 <b>Ir</b> Írídio 192,217	6 <b>Pt</b> Platina 195,084	6 <b>Au</b> Ouro 196,966569	6 <b>Hg</b> Mercúrio 200,59	6 <b>Tl</b> Tálio 204,3833	6 <b>Pb</b> Chumbo 207,2	6 <b>Bi</b> Bismuto 208,9804	6 <b>Po</b> Polônio (209)	6 <b>At</b> Astato (210)	6 <b>Rn</b> Radônio (222)	
7 <b>Fr</b> Frâncio (223)	7 <b>Ra</b> Rádio (226)	7 89-103 **	7 <b>Rf</b> Rutherfordio (267)	7 <b>Db</b> Dúbnio (268)	7 <b>Sg</b> Seabórgio (271)	7 <b>Bh</b> Bóhrio (272)	7 <b>Hs</b> Hássio (270)	7 <b>Mt</b> Meitnério (276)	7 <b>Ds</b> Darmstádio (281)	7 <b>Rg</b> Roentgênio (280)	7 <b>Cn</b> Copernício (285)	7 <b>Uut</b> Ununtrio (284)	7 <b>Uuq</b> Ununquádro (289)	7 <b>Uup</b> Ununpêntio (288)	7 <b>Uuh</b> Ununhécio (293)	7 <b>Uus</b> Ununséptio (294)	7 <b>Uuo</b> Ununóctio (294)	

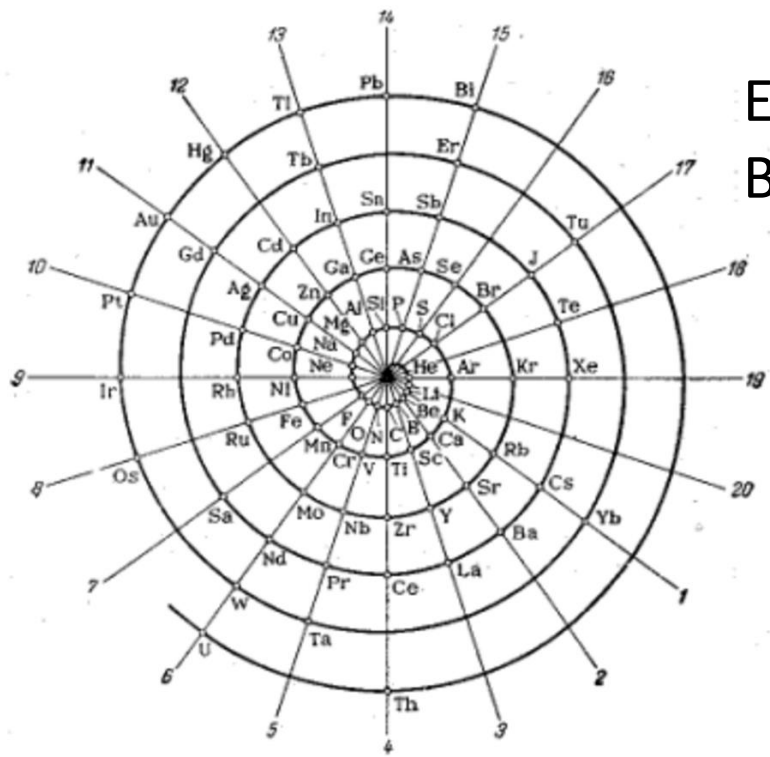
- Metals alcalinos
- Metals alcalino-terrosos
- Metals de transição
- Lantanídeos
- Actinídeos
- Metals representativos
- Semi-metals
- Não-metals
- Halogênios
- Gases nobres
- C Sólido
- Hg Líquido
- H Gasoso
- Rf Desconhecido

www.tabelaperiodicacompleta.com

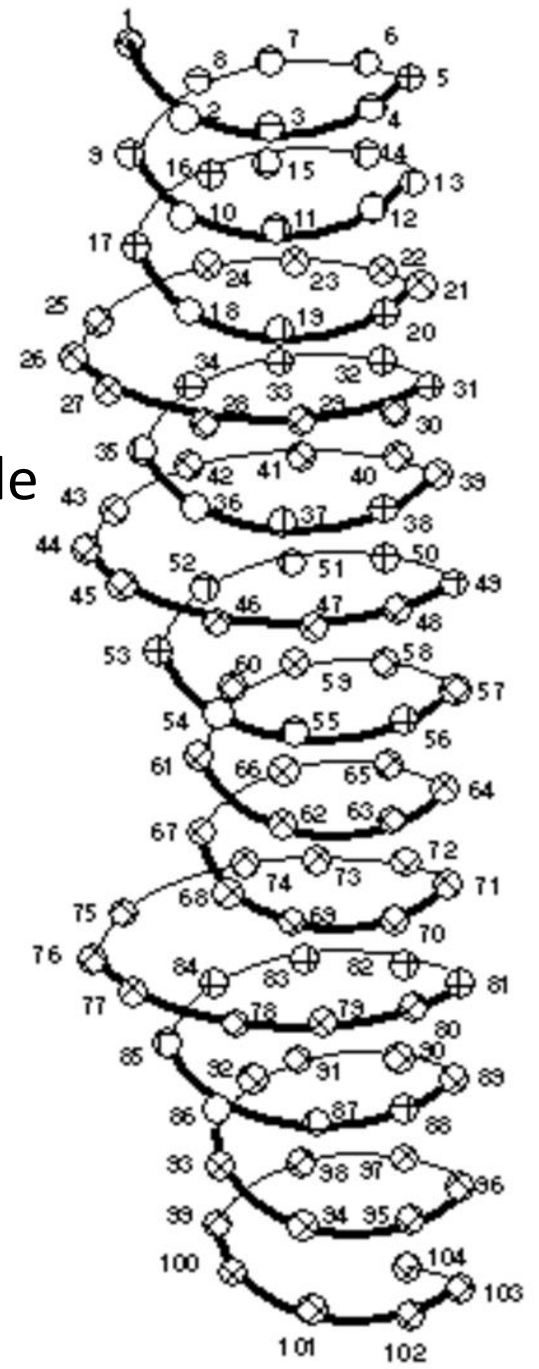
Nº Atômico	D I S T R I B U I C A O
Simbolo	
Nome	
Massa Atômica	

* 57 <b>La</b> Lantânio 138,90547	58 <b>Ce</b> Cério 140,116	59 <b>Pr</b> Praseodímio 140,90768	60 <b>Nd</b> Neodímio 144,242	61 <b>Pm</b> Promécio (145)	62 <b>Sm</b> Samário 150,36	63 <b>Eu</b> Európio 151,964	64 <b>Gd</b> Gadolínio 157,25	65 <b>Tb</b> Térbio 158,92535	66 <b>Dy</b> Disprósio 162,5	67 <b>Ho</b> Hólmio 164,93032	68 <b>Er</b> Érbio 167,259	69 <b>Tm</b> Túlio 168,93421	70 <b>Yb</b> Ítérbio 173,054	71 <b>Lu</b> Lutécio 174,9688
** 89 <b>Ac</b> Actínio (227)	90 <b>Th</b> Tório 232,03806	91 <b>Pa</b> Protactínio 231,03688	92 <b>U</b> Urânio 238,02891	93 <b>Np</b> Neptúnio (237)	94 <b>Pu</b> Plutônio (244)	95 <b>Am</b> Américio (243)	96 <b>Cm</b> Cúrio (247)	97 <b>Bk</b> Berquílio (247)	98 <b>Cf</b> Califórnio (251)	99 <b>Es</b> Einsténio (252)	100 <b>Fm</b> Férmio (257)	101 <b>Md</b> Mendelévio (288)	102 <b>No</b> Nobelio (289)	103 <b>Lr</b> Laurêncio (262)

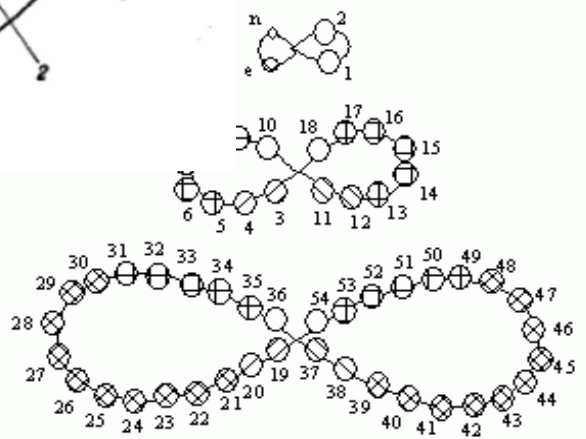




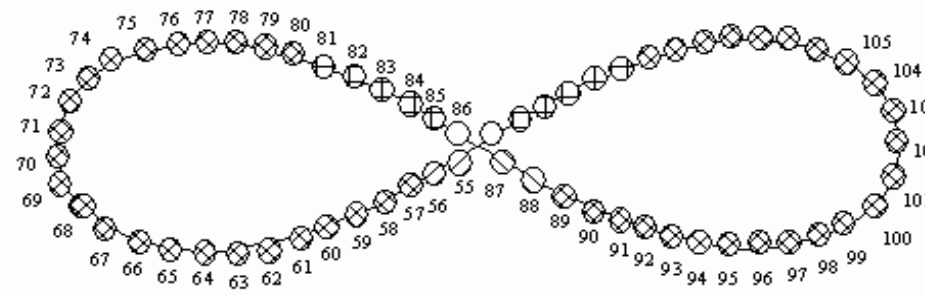
Espiral de Baumgauer

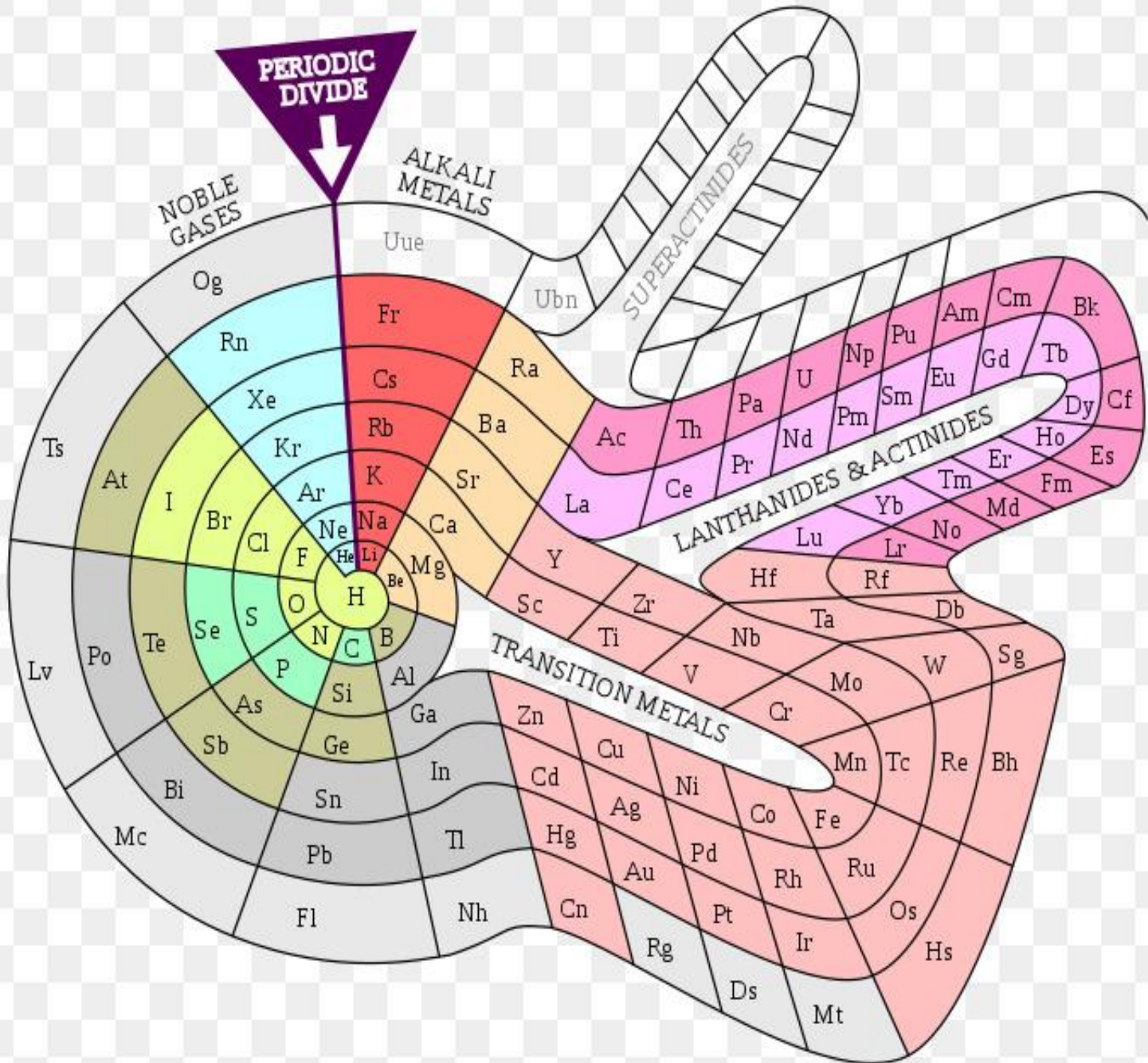


Hélice de Bilecki



“Sino” de Basset



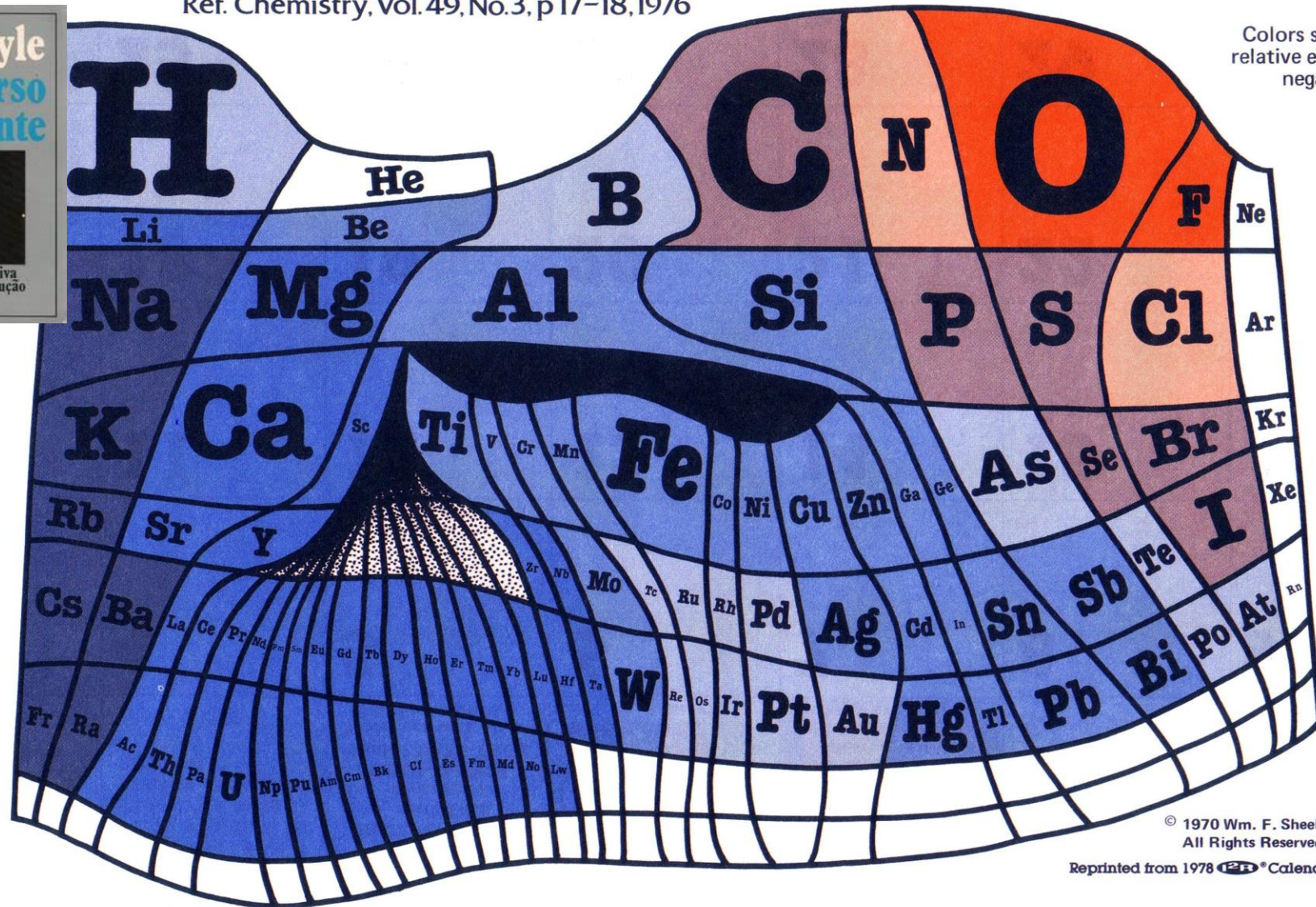
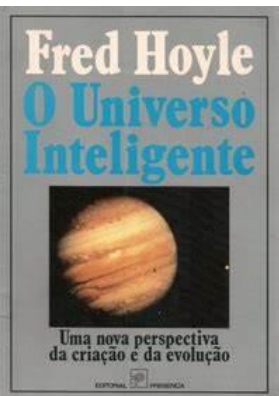




# The Elements According to Relative Abundance

A Periodic Chart by Prof. Wm. F. Sheehan, University of Santa Clara, CA 95053  
 Ref. Chemistry, Vol. 49, No.3, p 17-18, 1976

Colors suggest relative electro-negativity



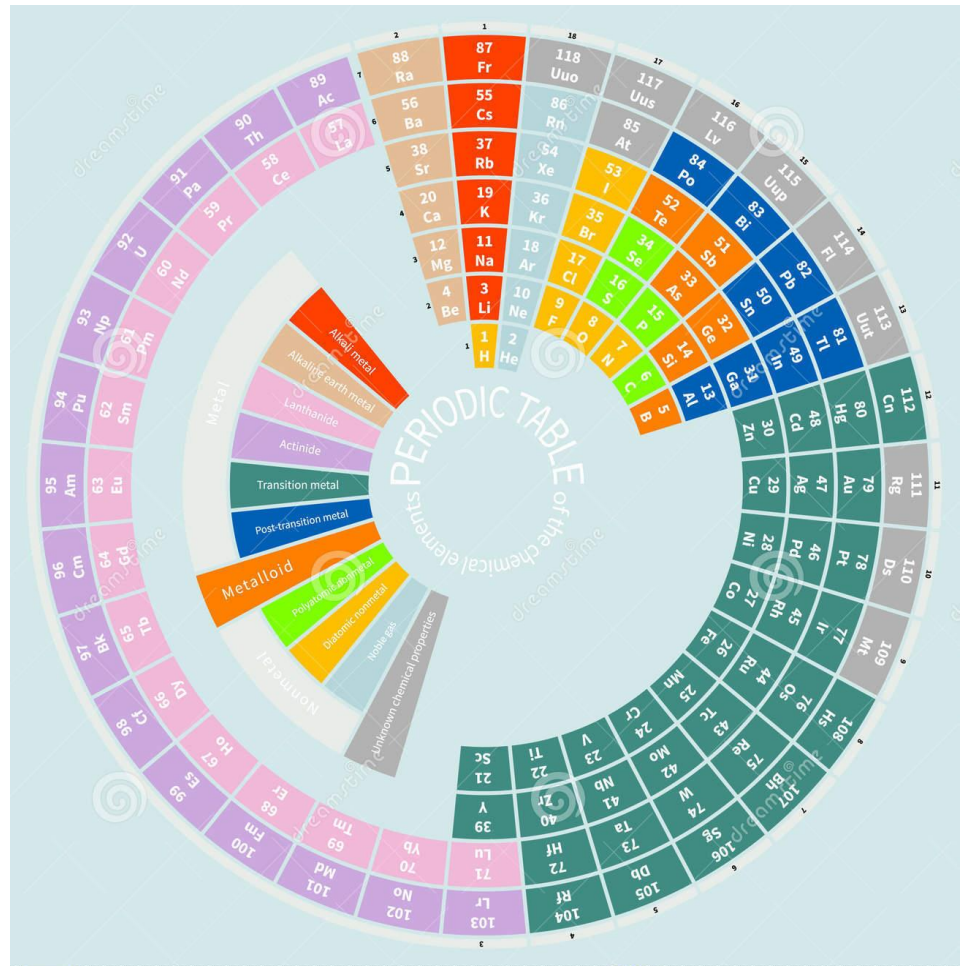
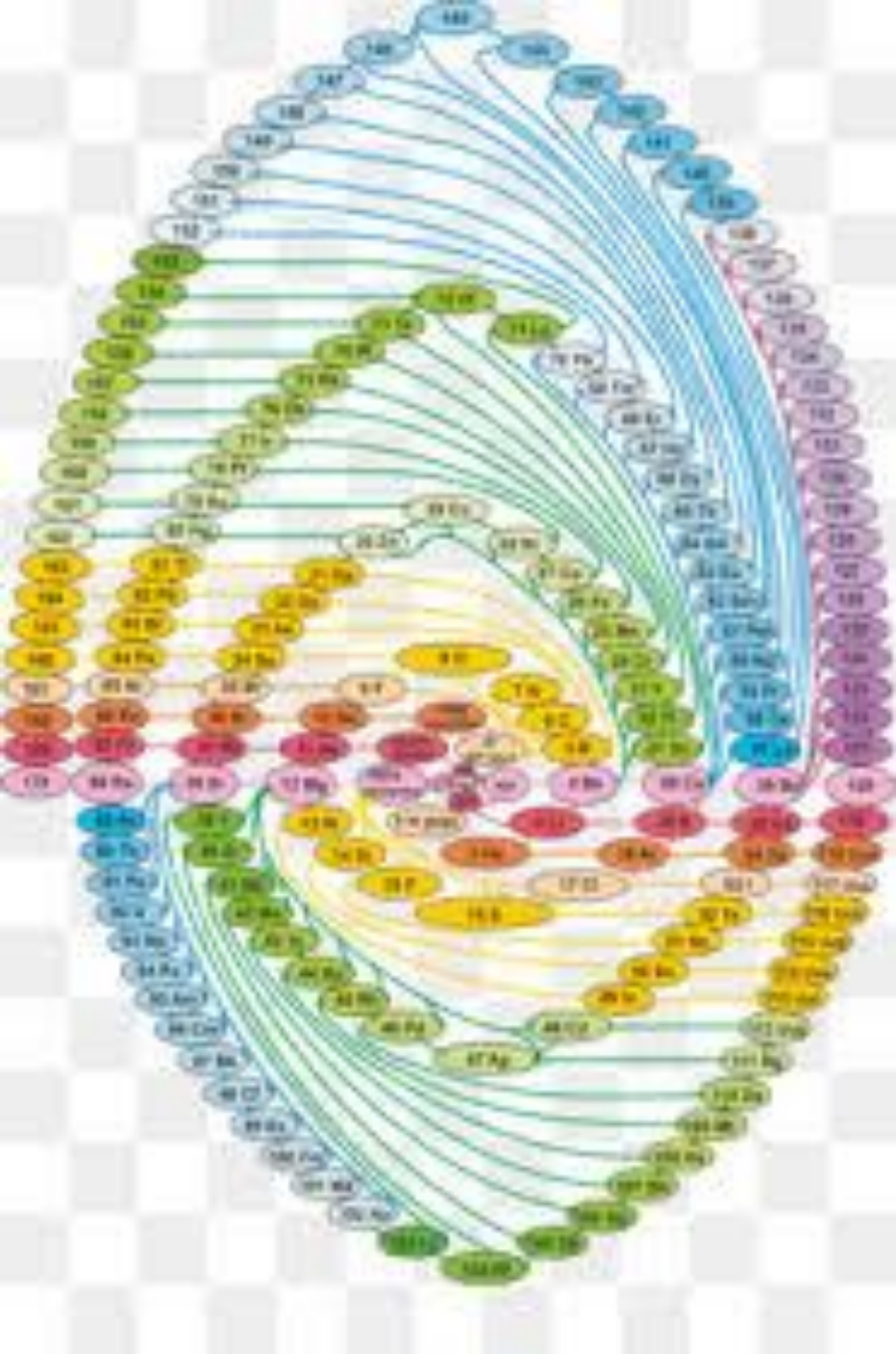
© 1970 Wm. F. Sheehan  
 All Rights Reserved

Reprinted from 1978 Calendar.

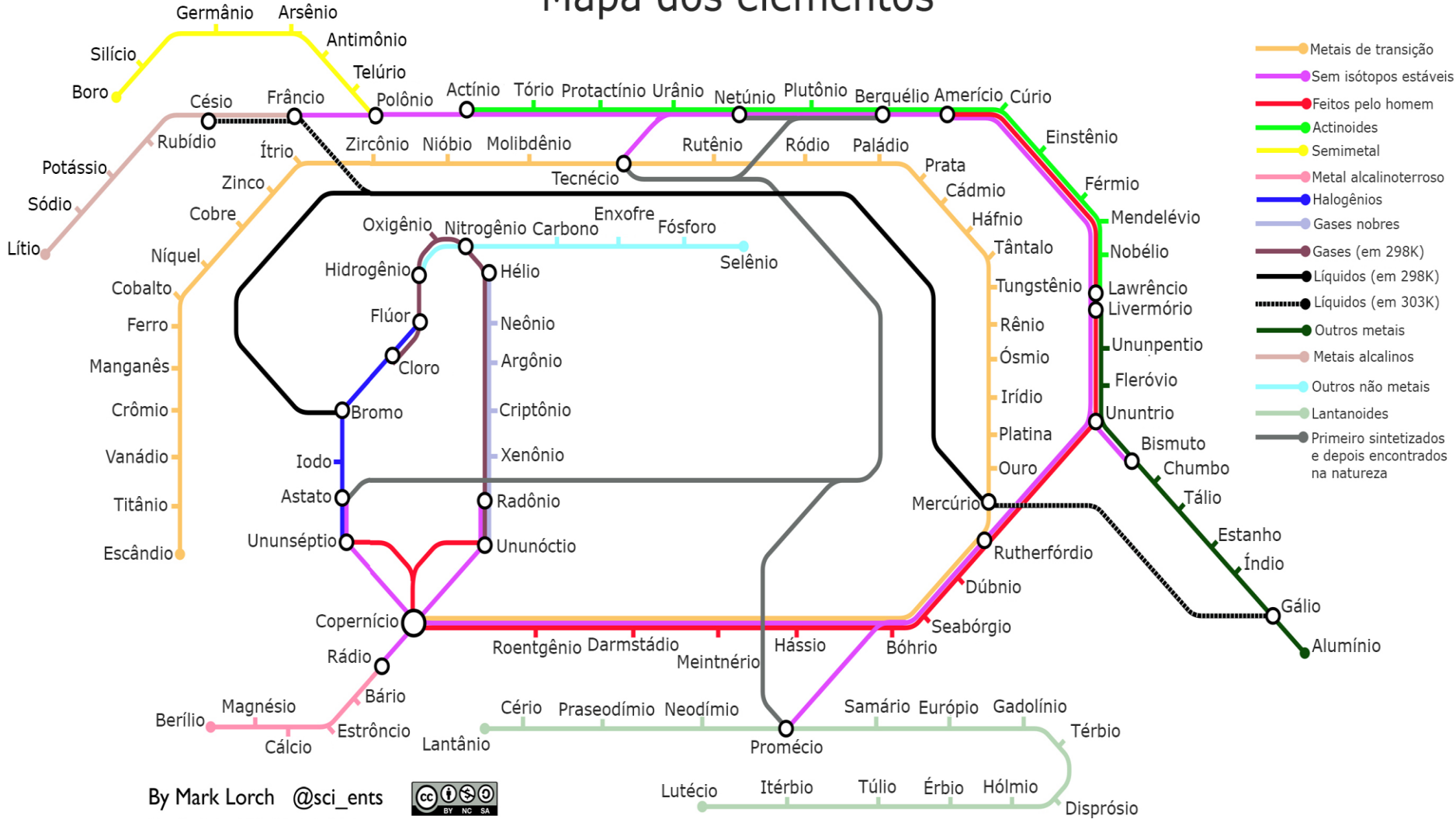
Roughly, the size of an element's own niche ("I almost wrote square") is proportioned to its abundance on Earth's surface, and in addition, certain chemical similarities (e.g., Be and Al, or B and Si) are sug-

gested by the positioning of neighbors. The chart emphasizes that in real life a chemist will probably meet O, Si, Al, . . . and that he better do something about it. Periodic tables based upon elemental abundance would, of course, vary from planet to planet. . . W.F.S.

NOTE: TO ACCOMMODATE ALL ELEMENTS SOME DISTORTIONS WERE NECESSARY, FOR EXAMPLE SOME ELEMENTS DO NOT OCCUR NATURALLY.



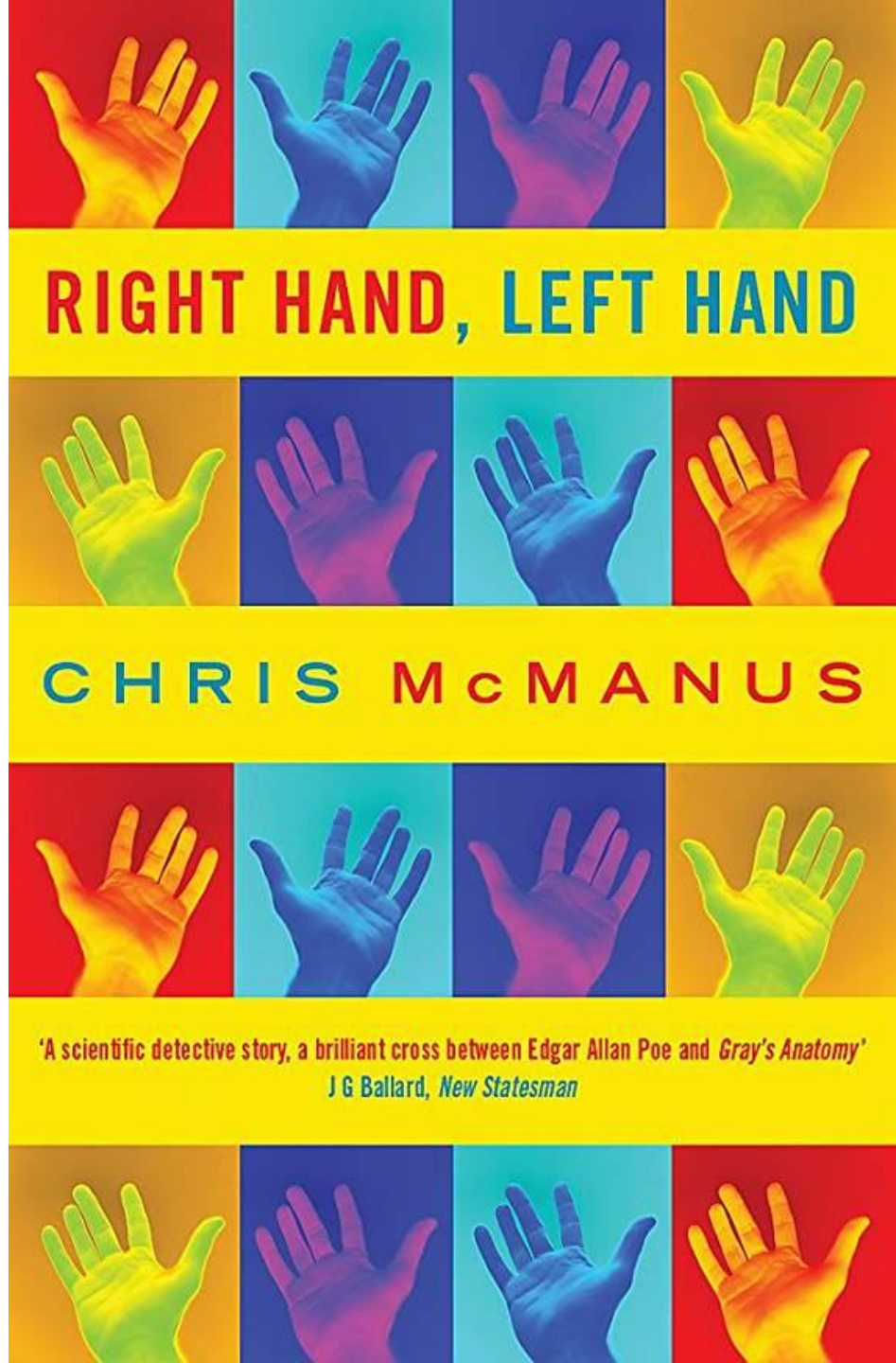
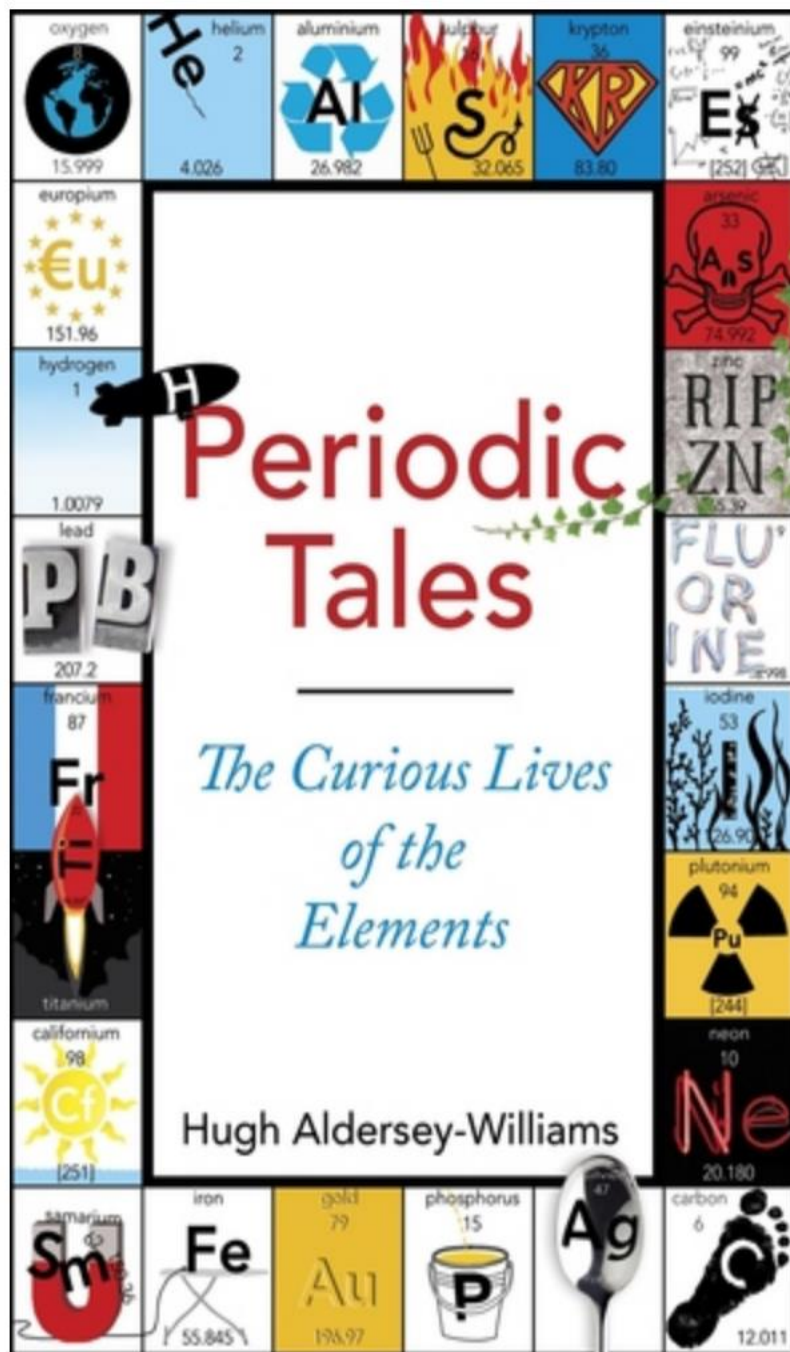
# Mapa dos elementos



By Mark Lorch @sci\_ents



Underground map of the elements by Mark Lorch is licensed under a Creative Commons  
 Tradução realizada por Prof. Dr. Luís Brudna - [www.tabelaperiodica.org](http://www.tabelaperiodica.org)



# Periodic Table of Story Elements

Hero <b>H</b>												Heroin e <b>He</b>					
Love Interest <b>Li</b>	Battle <b>Be</b>											Beat <b>B</b>	Characters <b>C</b>	Names <b>N</b>	Obstacles <b>O</b>	Fantasy <b>F</b>	Needs <b>Ne</b>
Narrator <b>Na</b>	Magical Gifts <b>Mg</b>											Allies <b>Al</b>	Sci-Fi <b>Si</b>	Plot <b>P</b>	Story <b>S</b>	Clarity <b>Cl</b>	Art <b>Ar</b>
Key Words <b>K</b>	Chapter <b>Ca</b>	Scare <b>Sc</b>	Time <b>Ti</b>	Victory <b>V</b>	Credit <b>Cr</b>	Manipulate <b>Mn</b>	Fear <b>Fe</b>	Coward <b>Co</b>	Niche <b>Ni</b>	Caesura <b>Cu</b>	Zenith <b>Zn</b>	Gauntlet <b>Ga</b>	Genre <b>Ge</b>	Arche-types <b>As</b>	Scene <b>Se</b>	Bravery <b>Br</b>	Kicker <b>Kr</b>
Parables <b>Rb</b>	Strength <b>Sr</b>	Youth <b>Y</b>	Realization <b>Zr</b>	Numbers <b>Nb</b>	Motives <b>Mo</b>	Table of Content <b>Tc</b>	Rituals <b>Ru</b>	Rough Draft <b>Rh</b>	Pride <b>Pd</b>	Anger <b>Ag</b>	Creed <b>Cd</b>	Intuition <b>In</b>	Synopsi s <b>Sn</b>	Symbols <b>Sb</b>	Terror <b>Te</b>	Inciting Event <b>I</b>	Xerox <b>Xe</b>
Cast <b>Cs</b>	Back-story <b>Ba</b>	Layout <b>Lu</b>	Historical Fiction <b>Hf</b>	Tragedy <b>Ta</b>	Words <b>W</b>	Redeem <b>Re</b>	Oppose <b>Os</b>	Irony <b>Ir</b>	Pathos <b>Pt</b>	Audience <b>Au</b>	Heading <b>Hg</b>	Tale <b>Tl</b>	Problem <b>Pb</b>	Bildungs-roman <b>Bi</b>	Polish <b>Po</b>	Antagonist <b>At</b>	Ruin <b>Rn</b>
Friends <b>Fr</b>	Rising Action <b>Ra</b>	Learn <b>Lr</b>	Romantic Fiction <b>Rf</b>	Double Reversal <b>Db</b>	Setting <b>Sg</b>	Sub-head <b>Bh</b>	Happi-ness <b>Hs</b>	Mastery <b>Mt</b>	Desire <b>Ds</b>	Reading Group <b>Rg</b>							

Laughter <b>La</b>	Cause & Effect <b>Ce</b>	Promise <b>Pr</b>	Need <b>Nd</b>	Premise <b>Pm</b>	Shaman <b>Sm</b>	Euphemism <b>Eu</b>	Guardian <b>Gd</b>	Table of Contents <b>Tb</b>	Dactyl <b>Dy</b>	Hard Copy <b>Ho</b>	Query <b>Er</b>	Talisman <b>Tm</b>	Youth Books <b>Yb</b>
-----------------------	-----------------------------	----------------------	-------------------	----------------------	---------------------	------------------------	-----------------------	--------------------------------	---------------------	------------------------	--------------------	-----------------------	--------------------------



THE NORTON CRITICAL EDITION  
PERIODIC TABLE OF

# LITERARY VILLAINS

From Mephistopheles to Count Dracula and Lady Macbeth to the Queen of Hearts, we love to hate the bad guys. Their villainous activity, whether self-serving or psychopathic, wreaking havoc or ultimately defeated, is often the most memorable part of our favorite books. In commemoration of the hard work antagonists undertake to challenge protagonists and delight readers, here are famous scoundrels and criminals who appear in books featured in the Norton Critical Edition series, ranked according to a version of Dante's circles of hell.

LIMBO   LUST   GREED   ANGER   VIOLENCE   FRAUD   TREACHERY

**Peter Quint & Miss Jessel**  
*The Turn of the Screw*  
1898

**Pavel Petrovich Kirsanov**  
*Fathers and Children*  
1862

**Lady Bracknell**  
*The Importance of Being Earnest*  
1895

**Angelo**  
*Measure for Measure*  
1623

**Fyodor Karamazov**  
*The Brothers Karamazov*  
1880

**Mrs. Bertha Dorset**  
*The House of Mirth*  
1905

**Uriah Heep**  
*David Copperfield*  
1850

**Morgan Le Fay**  
*Sir Gawain and the Green Knight*  
14th century

**Compeyson**  
*Great Expectations*  
1861

**Arabella Donn**  
*Jude the Obscure*  
1895

**Sergeant Troy**  
*Far from the Madding Crowd*  
1874

**Odette**  
*Swann's Way*  
1913

**Mr. Vladimir**  
*The Secret Agent*  
1907

**Lord Harry**  
*The Picture of Dorian Gray*  
1890

**Duke Frederick**  
*As You Like It*  
1623

**The Duke & The King**  
*Adventures of Huckleberry Finn*  
1884

**Grendel & His Mother**  
*Beowulf*  
ca. 700 CE

**Roger Chillingworth**  
*The Scarlet Letter*  
1850

**Queen of Hearts**  
*Alice in Wonderland*  
1865

**Simon Legree**  
*Uncle Tom's Cabin*  
1852

**Mary Johnson**  
*Maggie: A Girl of the Streets*  
1893

**Fagin & Sikes**  
*Oliver Twist*  
1838

**John Montraville**  
*Charlotte Temple*  
1791

**Svidrigaïlov & Raskolnikov**  
*Crime and Punishment*  
1867

**Lady Catherine de Bourgh**  
*Pride and Prejudice*  
1813

**Alec d'Urberville**  
*Tess of the d'Urbervilles*  
1891

**Mr. Kurtz**  
*Heart of Darkness*  
1899

**Michael Henchard**  
*The Mayor of Casterbridge*  
1886

**Russian Agents**  
*Kim*  
1901

**Hurstwood**  
*Sister Carrie*  
1900

**Poseidon**  
*The Odyssey*  
ca. 700 BCE

**Karenin**  
*Anna Karenina*  
1878

**Smerdyakov**  
*The Brothers Karamazov*  
1880

**Hindley Earnshaw**  
*Wuthering Heights*  
1847

**Vautrin**  
*Père Goriot*  
1835

**Lorenzo**  
*The Spanish Tragedy*  
1592

**Mr. Tulkynghorn**  
*Bleak House*  
1853

**Bounderby**  
*Hard Times*  
1854

**Master Blifil**  
*Tom Jones*  
1749

**Major Sanford**  
*The Coquette*  
1797

**Leonards**  
*North and South*  
1854

**Mr. Wakem**  
*The Mill on the Floss*  
1860

**Judge Jaffrey Pyncheon**  
*The House of the Seven Gables*  
1851

**Jason Compson**  
*The Sound and the Fury*  
1929

**Captain Ahab**  
*Moby-Dick*  
1851

**Unnamed Englishman**  
*Wide Sargasso Sea*  
1966

**Injun Joe**  
*The Adventures of Tom Sawyer*  
1876

**Mr. Hyde**  
*Strange Case of Dr. Jekyll and Mr. Hyde*  
1886

**Dorian Gray**  
*The Picture of Dorian Gray*  
1890

**Phil Connor**  
*The Jungle*  
1906

**Byam**  
*Oroonoko*  
1688

**Tom Delamere**  
*The Marrow of Tradition*  
1901

**Fanny Dashwood**  
*Sense and Sensibility*  
1811

**Damon Wildeve**  
*The Return of the Native*  
1878

**Kate Croy**  
*The Wings of the Dove*  
1902

**Petruchio**  
*The Taming of the Shrew*  
1623

**Gilbert Osmond & Madame Merle**  
*The Portrait of a Lady*  
1881

**Monsieur Homais**  
*Madame Bovary*  
1857

**Zeena Frome**  
*Ethan Frome*  
1911

**Mrs. Reed**  
*Jane Eyre*  
1847

**Count Dracula**  
*Dracula*  
1897

**Minister of the Interior**  
*A Clockwork Orange*  
1962

**The Morlocks**  
*The Time Machine*  
1895

**Charles Wilcox**  
*Howards End*  
1910

**Mordred**  
*Le Mort Darthur*  
1485

**Tartuffe**  
*Tartuffe*  
1664



URIAH HEEP'S name has not only become synonymous with sycophants, but is also that of a British hard rock band.

Melville's CAPTAIN AHAH inspired J. M. Barrie to create Captain Hook.

In *Crime and Punishment*, RASKOLNIKOV repeats LADY MACBETH'S behavior of madly trying to remove bloodstains.

MORLOCKS, H. G. Wells's creation, also appear in *Doctor Who*, *Power Rangers*, and an Alan Moore comic.



# The Periodic Table of Storytelling

Structure										Fandom & Audience Reactions																													
Setting, laws, plots										Production																													
C <sup>.04</sup> Conflict	3as <sup>.03</sup> Three Act Structure									Ae <sup>.2.0</sup> An Aesop					Plot devices																								
Re <sup>.2.5</sup> The Reveal	Srs <sup>.2.7</sup> Serious Business	Anv <sup>.2.8</sup> Ambitious	Phl <sup>.2.3</sup> Applied Plotholes		Cmx <sup>.03</sup> The Climax	Msq <sup>.1.3</sup> The Misquade	Bti <sup>.5.3</sup> Beyond The Impossible	Tb <sup>.2.5</sup> Techno Bubbly		Den <sup>.05</sup> The Denouement	Rcy <sup>.1.7</sup> Recycled INSPACE	Cl2 <sup>.1.5</sup> Crosses the Line Twice	Wav <sup>.2.4</sup> Hand Wave		End <sup>.06</sup> The End	X <sup>.1.2</sup> X Meets Y	Ria <sup>.2.3</sup> Refuge in Audacity	Dx <sup>.1.6</sup> Dera Ex Machine		Chk <sup>.2.4</sup> Chekhov's Gun	Aa <sup>.5.0</sup> Magic A Is Magic A	Dae <sup>.3.5</sup> Darker And Edgier	Ass <sup>.1.1</sup> An Pull																
<p><b>"Call to Adventure" primary subtrope:</b>            Adventure Rebuff            Burning Building Rescue            The Call Has Bad Reception            The Call Knows Where You Live            The Call Left A Message            The Call Put Me On Hold            Call Reception Area            Desperately Looking For A Purpose In Life            Forgot The Call            Got The Call On Speed Dial            I'm Dying, Please Take My MacGuffin            Ignorant Of The Call            Jumped At The Call            Missed The Call            Red Pill Blue Pill            Refusal Of The Call            Refused By The Call            Regular Caller            Resigned To The Call            Screening The Call            Take Up My Sword            Two Roads Before You</p>										<p><b>Character Modifiers</b></p> <p>P<sup>.33</sup> Protagonist    A<sup>.01</sup> Antagonist</p>																													
Heroes										Villains																													
Archetypes										Metatropes																													
<p>Chart by ComputerShepa            Special thanks to Elle, Micah, and the rest of the Tropers for inspiration            Thanks to Madrugada, Jack Alsworth, -fourwllows, and KirksOtherSon for corrections            Permalink for this chart: <a href="http://goo.gl/yv5M4">goo.gl/yv5M4</a></p>										<p>T<sup>.20</sup> Trope</p> <p>Tru<sup>.4.4</sup> Truth In Television</p> <p>Ls<sup>.1.2</sup> Lampshade Hanging</p> <p>Tt<sup>.4.1</sup> Take That</p> <p>Can<sup>.0.7</sup> Canon</p> <p>Fan<sup>.1.3</sup> Fanon</p> <p>Sho<sup>.0.0</sup> Show Out</p> <p>Sus<sup>.0.7</sup> Billing Suspension of Disbelief</p> <p>Res<sup>.5.9</sup> Resistant</p> <p>Et<sup>.1.9</sup> Epileptic Swear</p> <p>Vam<sup>.1.1</sup> Viewers Are Mercies</p> <p>Dlp<sup>.1.3</sup> Draco In Leather Pants</p> <p>Wob<sup>.4.0</sup> Writer On Board</p> <p>Mem<sup>.6.8</sup> Memetic Mutation</p> <p>Xm<sup>.3.0</sup> Executive Meddling</p> <p>Wog<sup>.7.4</sup> Word of God</p> <p>Rad<sup>.2.5</sup> Getting Crap Past The Radar</p> <p>Mst<sup>.9.2</sup> MST3K Mentis</p> <p>Sqi<sup>.5.7</sup> Squick</p> <p>Fwr<sup>.1.3</sup> Freud Was Right</p>																													
Mcg <sup>.2.7</sup> MacGuffin	Ivc <sup>.1.4</sup> Sliding Scale of Ideality vs. Cynicism	Scw <sup>.5.8</sup> Mind Screw	Iac <sup>.2.3</sup> Soaked Evil In A Can	H <sup>.4.9</sup> The Hero	Kni <sup>.5.1</sup> Knight In Shining Armor	Bbw <sup>.1.7</sup> Badass Bookworm	Ib <sup>.1.9</sup> Idiot Ball	Wb <sup>.5.5</sup> Woobie	Mad <sup>.4.0</sup> Mad Scientist	Wes <sup>.0.0</sup> The Wesley	Scl <sup>.2.7</sup> Star-Crossed Lovers	Bad <sup>.1.1</sup> Big Bad	Etw <sup>.3.6</sup> Evil Twin	Rch <sup>.1.1</sup> Archonemy	Emp <sup>.1.9</sup> The Emplie	Jt <sup>.4.2</sup> Justified Trope	Rur <sup>.7.4</sup> Reality Is Unsubtle	Res <sup>.5.9</sup> Did Not Do The Research	Et <sup>.1.9</sup> Epileptic Swear	Bks <sup>.1.5</sup> Backstory	Sq <sup>.1.2</sup> Sliding Scale of Ideality vs. Cynicism	Aws <sup>.2.3</sup> What Do You Mean, It's Not Awesome?	Aod <sup>.2.1</sup> Artifact of Doom	Ah <sup>.3.2</sup> Anti Hero	Neo <sup>.1.7</sup> The Chosen One	Tp <sup>.2.4</sup> Technical Pacifist	Fln <sup>.1.6</sup> Flanderization	Ccl <sup>.6.1</sup> Cloud Cuckoolander	Sue <sup>.1.7</sup> Mary Sue	Tsu <sup>.3.8</sup> Turd In The Mouth	St <sup>.0.8</sup> The Storyteller	Mgb <sup>.5.1</sup> Magnificent Bastard	Ewi <sup>.4.2</sup> Emerging Within	Dra <sup>.4.6</sup> The Dragon	Av <sup>.2.0</sup> Anti Villain	Sv <sup>.3.2</sup> Subverted Trope	Lr <sup>.0.8</sup> Like Reality Unless Noted	Vam <sup>.1.1</sup> Viewers Are Mercies	Dlp <sup>.1.3</sup> Draco In Leather Pants
Ret <sup>.2.4</sup> Retcon	Cal <sup>.2.0</sup> Call To Adventure	Bwb <sup>.4.1</sup> Fan Service	Xan <sup>.3.7</sup> Xanatos Gambit	Ih <sup>.1.4</sup> Idiot Hero	Ag <sup>.5.0</sup> Action Girl	Ace <sup>.1.1</sup> The Ace	Bda <sup>.7.9</sup> Badass	Ham <sup>.5.1</sup> Large Ham	Moo <sup>.3.9</sup> Mooks	Dbd <sup>.3.3</sup> The Dumbdore	Lei <sup>.1.6</sup> Rebel Leader	Mpb <sup>.2.9</sup> Manipulative Bastard	Law <sup>.3.2</sup> Amoral Attorney	Mol <sup>.1.9</sup> The Mole	Vp <sup>.1.8</sup> Villain Protagonist	Old <sup>.3.1</sup> Oldest Ones In The Book	Anp <sup>.0.7</sup> Anthropic Principle	Wob <sup>.4.0</sup> Writer On Board	Mem <sup>.6.8</sup> Memetic Mutation	Arc <sup>.1.1</sup> Story Arc	Rq <sup>.3.0</sup> Redemption Quest	Cry <sup>.2.4</sup> Tear Jerker	Bdh <sup>.2.8</sup> Big Damn Heroes	Sh <sup>.0.5</sup> Super Hero	Pg <sup>.0.5</sup> Flaky Girl	Cap <sup>.0.8</sup> The Captain	Bb <sup>.5.8</sup> Berserk Button	Rnd <sup>.0.6</sup> Rounded Character	Red <sup>.1.2</sup> Redshirts	Mus <sup>.0.0</sup> Dumb Muscle	Mal <sup>.3.9</sup> Rebellious Spirit	Chs <sup>.2.8</sup> The Chessmaster	Ob <sup>.0.0</sup> Obstructive Bureaucrat	Vir <sup>.1.2</sup> The Virus	4te <sup>.1.9</sup> For The Evulz	Roc <sup>.4.1</sup> Rule of Cool	Con <sup>.3.0</sup> Law of Conservation of Detail	Xm <sup>.3.0</sup> Executive Meddling	Wog <sup>.7.4</sup> Word of God
Rar <sup>.0.5</sup> Romance Arc	Hj <sup>.3.6</sup> The Hero's Journey	Ang <sup>.1.6</sup> Wangst	Pet <sup>.1.9</sup> Pet The Dog	Kh <sup>.0.9</sup> Kid Hero	Det <sup>.3.1</sup> Determinator	Gun <sup>.0.7</sup> The Gornlinger	Jhg <sup>.1.7</sup> Jerk With A Heart of Gold	Fla <sup>.3.4</sup> Flat Character	Mug <sup>.0.0</sup> Muggles	Gia <sup>.1.3</sup> Gentle Giant	Kz <sup>.2.7</sup> The Kibitz	Mon <sup>.7.5</sup> Complex Monster	Ws <sup>.2.6</sup> Wicked Stepfather	Eld <sup>.5.6</sup> Elfish Abomination	Lol <sup>.1.9</sup> Evil Laugh	Rof <sup>.3.1</sup> Rule of Funny	Lah <sup>.4.6</sup> Literary Agent Hypothesis	Rad <sup>.2.5</sup> Getting Crap Past The Radar	Mst <sup>.9.2</sup> MST3K Mentis	Tri <sup>.1.5</sup> Love Triangle	Stw <sup>.3.0</sup> Saving The World	Jts <sup>.2.4</sup> Jumping The Shark	Kik <sup>.3.1</sup> Kick The Dog	Gh <sup>.0.0</sup> Galle Hero	Gb <sup>.1.1</sup> Genius Bruiser	Ir <sup>.3.7</sup> Intrepid Reporter	Ja <sup>.9.0</sup> Jerkass	Dyn <sup>.0.8</sup> Dynamic Character	Scr <sup>.2.8</sup> The Scrappy	Foo <sup>.4.4</sup> The Fool	Lrg <sup>.2.7</sup> Lovable Rogan	Om <sup>.1.7</sup> Omniscient Muppet	Bru <sup>.0.6</sup> The Brute	1wa <sup>.1.9</sup> One Winged Angel	Fai <sup>.0.5</sup> You Have Failed Me	Rod <sup>.5.1</sup> Rule of Drama	Md <sup>.7.1</sup> Moral Dissonance	Dh <sup>.7.2</sup> Development Hell	Sqi <sup>.5.7</sup> Squick
Hil <sup>.4.1</sup> Hilarity Ensues	Tfc <sup>.4.5</sup> They Fight Crime	Gtb <sup>.0.6</sup> Growing The Beard	Hzr <sup>.4.0</sup> Moral Event Horizon	Th <sup>.3.0</sup> Toxic Hero	Sma <sup>.2.4</sup> Five Man Band	Ind <sup>.3.9</sup> Adventure Archeologist	Sav <sup>.4.9</sup> Genre Savvy	Sta <sup>.0.6</sup> Static Character	Edh <sup>.4.0</sup> Ensemble Darkhorse	Tc <sup>.3.3</sup> Turncoat	Pmd <sup>.0.8</sup> Person of Mass Destruction	Kt <sup>.2.4</sup> Knight Templar	Chi <sup>.1.5</sup> Creepy Child	Cce <sup>.2.2</sup> Cynical Corporate Executive	Cat <sup>.2.3</sup> Right Hand Cat	4wl <sup>.3.8</sup> The Fourth Wall	Tbl <sup>.0.1</sup> Pacifist Side of the Elements	Sbn <sup>.2.8</sup> Screened By The Network	Fwr <sup>.1.3</sup> Freud Was Right																				
<p><b>H</b><sup>.4.0</sup> The Hero</p> <p><b>L</b><sup>.3.1</sup> The Lancer</p> <p><b>S</b><sup>.3.1</sup> The Smart Guy</p> <p><b>B</b><sup>.3.1</sup> The Big Guy</p> <p><b>Ch</b><sup>.2.8</sup> The Chick</p>										<p><b>Hft</b><sup>.5.0</sup> Heel Face Turn</p> <p><b>Fht</b><sup>.3.2</sup> Face Heel Turn</p>																													

**Ae** Identifier  
 An Aesop Trope name  
 Popularity in kilowicks (thousands of links to its page within the wiki)

**"Call to Adventure" primary subtrope:**  
 Adventure Rebuff  
 Burning Building Rescue  
 The Call Has Bad Reception  
 The Call Knows Where You Live  
 The Call Left A Message  
 The Call Put Me On Hold  
 Call Reception Area  
 Desperately Looking For A Purpose In Life  
 Forgot The Call  
 Got The Call On Speed Dial  
 I'm Dying, Please Take My MacGuffin  
 Ignorant Of The Call  
 Jumped At The Call  
 Missed The Call  
 Red Pill Blue Pill  
 Refusal Of The Call  
 Refused By The Call  
 Regular Caller  
 Resigned To The Call  
 Screening The Call  
 Take Up My Sword  
 Two Roads Before You

Chart by ComputerShepa  
 Special thanks to Elle, Micah, and the rest of the Tropers for inspiration  
 Thanks to Madrugada, Jack Alsworth, -fourwllows, and KirksOtherSon for corrections  
 Permalink for this chart: [goo.gl/yv5M4](http://goo.gl/yv5M4)

**The Fourth Wall subtrope:**  
 Audience What Audience  
 Breaking the Fourth Wall  
 Breaking The Reviewers Wall  
 Fourth Wall Mail Slot  
 Fourth Wall Observer  
 Fourth Wall Portrait  
 Fourth Wall Psych  
 Leaning on the Fourth Wall  
 Logging Onto The Fourth Wall  
 No Fourth Wall  
 No Inner Fourth Wall  
 Noticing The Fourth Wall  
 Painting The Fourth Wall  
 Sliding Scale Of Fourth Wall Hardness  
 The Fourth Wall Will Not Protect You

# PERIODIC TABLE

## OF WORLD LITERATURE

Marguerite Beguine was arrested for heresy and burnt at the stake for her writings.

Socrates was executed for poisoning the minds of young Greeks.

Alexandre Dumas's mother told him stories of his father fighting bravely for Napoleon. These probably inspired many of his own stories starring brave swashbucklers.

When Miguel de Cervantes was a soldier, he was captured and held as a slave for four years. His parents paid a ransom for his freedom.

The comedians of Monty Python once did a sketch featuring Thomas Hardy writing a novel in a sports stadium, surrounded by fans cheering his every word. The announcer expressed disappointment that Hardy began the novel with a "meaningless scribble" in the top of the left hand margin.

In his most famous work, Dante Alighieri visits Satan, who is frozen to his waist in ice.

Charles Darwin was greatly influenced by the scientific work of Johann von Goethe.

																		
																		
																		
																		
						42-49												
						64-71												
																		
																		
																		
																		
																		

Writer George Eliot was actually Mary Ann Evans. She used a male pen name so her writing would be taken seriously.

Rabindranath Tagore was Asia's first Nobel laureate.

Franz Kafka's dad was a ritual slaughterer. His job was to kill animals for meat in a special way that kept them kosher.

Elvis Costello worked for a time at a cosmetics company. His real name isn't Elvis Costello, either, as you may have guessed.

Some people think Christopher Marlowe was assassinated. Others think he faked his death so he could continue writing under a pen name: "William Shakespeare".

Three great French writers share a 1994: Victor Hugo, Alexandre Dumas, and Emile Zola.

Nigeria's Wole Soyinka is actively involved in politics and works as a professor at University of Nevada-Las Vegas—the home of the rebels.

We aren't exactly sure what happened, but Aesop might have been killed for being a smart mouth, or for stealing money.

Poetry

Plays

Non-fiction

Novels

Music

Young Adult

AQUILINO RIBEIRO

# VOLFRÂMIO

ROMANCE



LIVRARIA BERTRAND • LISBOA

AQUILINO RIBEIRO

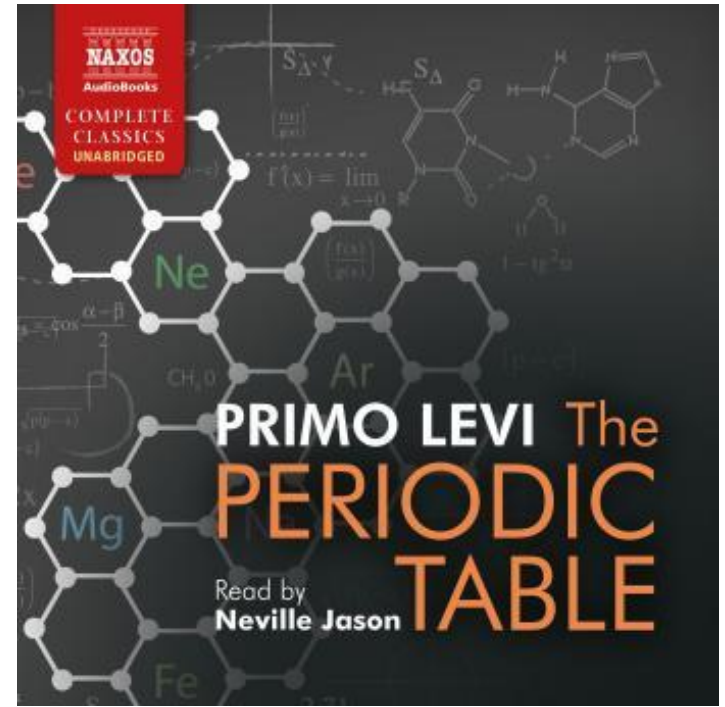
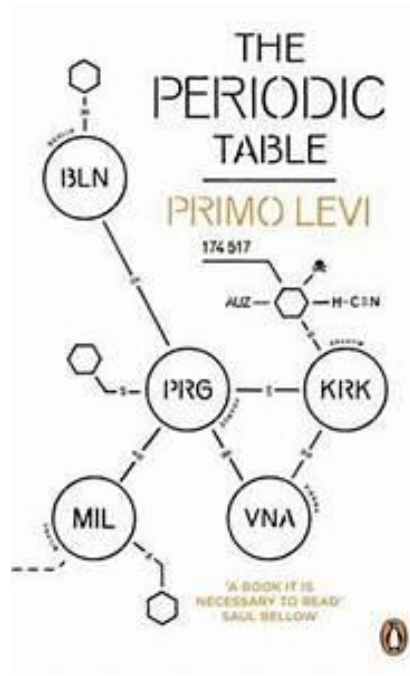
# VOLFRÂMIO

*romance*



LIVRARIA BERTRAND • LISBOA

# 2006 — O melhor livro científico (!!!)



Admiradores — Saul Bellow, Philip Roth, Italo Calvino, Umberto Eco

“Um escritor deveria ter a precisão de um poeta e a imaginação de um cientista”

Vladimir Nabokov

"**Argon**" – a infância, a comunidade judaica do Piemonte e a sua linguagem.

"**Hidrogénio**" – duas crianças experimentam com eletrólise.

"**Zinco**" – na universidade.

"**Ferro**" – adolescência do autor, e leis raciais.

"**Potássio**" – resultados inesperados em experiências laboratoriais

"**Níquel**" – no laboratório de uma mina.

"**Chumbo**" – ficção

"**Mercúrio**" – ficção

"**Fósforo**" – emprego na indústria química.

"**Ouro**" – prisão

"**Cerium**" – sobrevivência num campo de extermínio.

"**Crómio**" – recuperação de vernizes.

"**Enxofre**" – ficção

"**Titânio**" – aparentemente ficção

"**Arsénico**" – uma consulta sobre uma amostra de açúcar.

"**Nitrogénio**" – fabricação de cosméticos com dejetos de aviário.

"**Estanho**" – um laboratório caseiro.

"**Urânio**" – consulta sobre uma amostra metálica.

"**Prata**" – placas fotográficas imprestáveis

"**Vanádio**" – reencontro com um químico alemão de Auschwitz.

"**Carbono**" – a história do átomo de carbono

<b>1</b> H																	2 He
3 Li	4 Be											5 B	<b>6</b> C	<b>7</b> N	8 O	9 F	10 Ne
11 Na	12 Mg											13 Al	14 Si	<b>15</b> P	<b>16</b> S	17 Cl	<b>18</b> Ar
<b>19</b> K	20 Ca	21 Sc	<b>22</b> Ti	<b>23</b> V	<b>24</b> Cr	25 Mn	<b>26</b> Fe	27 Co	<b>28</b> Ni	29 Cu	<b>30</b> Zn	31 Ga	32 Ge	<b>33</b> As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	<b>47</b> Ag	48 Cd	49 In	<b>50</b> Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	*	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	<b>79</b> Au	<b>80</b> Hg	81 Tl	<b>82</b> Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	**	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113 Uut	114 Fl	115 Uup	116 Lv	117 Uus	118 Uuo

\* Lanthanides

57 La	<b>58</b> Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
----------	-----------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

\*\* Actinides

89 Ac	90 Th	91 Pa	<b>92</b> U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr
----------	----------	----------	----------------	----------	----------	----------	----------	----------	----------	----------	-----------	-----------	-----------	-----------

“Neste ponto o leitor já percebeu há algum tempo que isto não é um tratado de Química: a minha ambição não vai tão longe — *“ma voix est faible, et même un peu profane.”* — Nem é uma autobiografia senão parcialmente e dentro dos limites simbólicos em que qualquer escrito, e mesmo qualquer obra humana, é autobiográfico; mas é, em certo sentido, uma história. É — ou gostaria que fosse — uma micro-história...”

Os episódios estão organizados usando o nome de elementos da Tabela Periódica. Cada elemento é simbólico de um acontecimento ou de uma personagem desse episódio. Primo Levi, que era químico, conhecia as qualidades de cada elemento e a forma como reage. Como um professor de Química, apresenta o elemento a um leitor comum, e de repente salta de Química para a História: a história da família Levi interligada com a sua própria história como sobrevivente de Auschwitz é o fermento deste livro.





# A Obra ao Negro

*Um romance histórico.  
Um grande clássico.  
Uma obra-prima.*

Marguerite Yourcenar

Zenão concentra em si o desejo de mudança, a vontade de alcançar, num mundo conturbado por conflitos vários, a liberdade de pensar e conceber.

E só um grande escritor poderia acompanhar, de forma simultaneamente tão minuciosa e bela, os contornos dessa personalidade, ao longo do doloroso caminho que a leva a enfrentar e a assumir a própria morte. Acaso se verificará então, nesse decisivo instante, uma das máximas possibilidades da Grande Obra alquímica, o opus nigrum, a tentativa de calcinar as formas para permitir a erupção de novo.

