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1	H		23	UK		25	Mn		26	Fe		27	Co		28	Ni		29	Cu		30	Zn		31	Ga		32	Ge		33	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		47	Ag		48	Cd		49	In		50	Sn		51	Sb		52	Te		53	I		54	Xe		55	Cs		56	Ba		57	La		58	Ce		59	Pr		60	Nd		61	Pm		62	Sm		63	Eu		64	Gd		65	Tb		66	Dy		67	Ho		68	Er		69	Tm		70	Yb		71	Lu		72	Hf		73	Ta		74	W		75	Re		76	Os																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
77	Ir		78	Pt		79	Au		80	Hg		81	Tl		82	Pb		83	Bi		84	Po		85	At		86	Rn		87	Fr		88	Ra		89	Ac		90	Th		91	Pa		92	U		93	Np		94	Pu		95	Am		96	Cm		97	Bk		98	Cf		99	Es		100	Fm		101	Md		102	No		103	Lr		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		119	Uuq		120	Uuq		121	Uuq		122	Uuq		123	Uuq		124	Uuq		125	Uuq		126	Uuq		127	Uuq		128	Uuq		129	Uuq																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
130	Uuq		131	Uuq		132	Uuq		133	Uuq		134	Uuq		135	Uuq		136	Uuq		137	Uuq		138	Uuq		139	Uuq		140	Uuq		141	Uuq		142	Uuq		143	Uuq		144	Uuq		145	Uuq		146	Uuq		147	Uuq		148	Uuq		149	Uuq		150	Uuq		151	Uuq		152	Uuq		153	Uuq		154	Uuq		155	Uuq		156	Uuq		157	Uuq		158	Uuq		159	Uuq		160	Uuq		161	Uuq		162	Uuq		163	Uuq		164	Uuq		165	Uuq		166	Uuq		167	Uuq		168	Uuq		169	Uuq		170	Uuq		171	Uuq		172	Uuq		173	Uuq		174	Uuq		175	Uuq		176	Uuq		177	Uuq		178	Uuq		179	Uuq		180	Uuq		181	Uuq		182	Uuq																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
183	Uuq		184	Uuq		185	Uuq		186	Uuq		187	Uuq		188	Uuq		189	Uuq		190	Uuq		191	Uuq		192	Uuq		193	Uuq		194	Uuq		195	Uuq		196	Uuq		197	Uuq		198	Uuq		199	Uuq		200	Uuq		201	Uuq		202	Uuq		203	Uuq		204	Uuq		205	Uuq		206	Uuq		207	Uuq		208	Uuq		209	Uuq		210	Uuq		211	Uuq		212	Uuq		213	Uuq		214	Uuq		215	Uuq		216	Uuq		217	Uuq		218	Uuq		219	Uuq		220	Uuq		221	Uuq		222	Uuq		223	Uuq		224	Uuq		225	Uuq		226	Uuq		227	Uuq		228	Uuq		229	Uuq		230	Uuq		231	Uuq		232	Uuq		233	Uuq		234	Uuq		235	Uuq																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
236	Uuq		237	Uuq		238	Uuq		239	Uuq		240	Uuq		241	Uuq		242	Uuq		243	Uuq		244	Uuq		245	Uuq		246	Uuq		247	Uuq		248	Uuq		249	Uuq		250	Uuq		251	Uuq		252	Uuq		253	Uuq		254	Uuq		255	Uuq		256	Uuq		257	Uuq		258	Uuq		259	Uuq		260	Uuq		261	Uuq		262	Uuq		263	Uuq		264	Uuq		265	Uuq		266	Uuq		267	Uuq		268	Uuq		269	Uuq		270	Uuq		271	Uuq		272	Uuq		273	Uuq		274	Uuq		275	Uuq		276	Uuq		277	Uuq		278	Uuq		279	Uuq		280	Uuq		281	Uuq		282	Uuq		283	Uuq		284	Uuq		285	Uuq		286	Uuq		287	Uuq		288	Uuq																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
289	Uuq		290	Uuq		291	Uuq		292	Uuq		293	Uuq		294	Uuq		295	Uuq		29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Atomic Radius

31

270

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18																													
H 37	Li 152	Na 186	K 227	Rb 248	Cs 265	Fr 270	Be 112	Mg 160	Ca 197	Sr 215	Ba 222	Ra 220	B 85	Al 143	Ga 135	In 167	Tl 170	B 85	C 77	Si 118	Ge 122	Sn 140	Pb 146	Uuq 113	N 75	P 110	As 120	Sb 140	Bi 150	At 140	O 73	S 103	Se 119	Te 142	Po 168	F 72	Cl 100	Br 114	I 133	At 140	Ne 71	Ar 98	Kr 112	Xe 131	Rn 140	Hg 31

picometers (pm)

Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
--	--	--	--	--	--	--	--	--	--	--	--	--	--
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	Nd	Lr
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Electronegativity

0.7

4

18

1	H	2.1											18								
	Li	1.0	Be	1.5											Ne						
	Na	0.9	Mg	1.2											Ar						
	K	0.8	Ca	1.0	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	3.0
	Rb	0.8	Sr	1.0	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	2.6
	Cs	0.7	Ba	0.9	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	2.2
	Fr	0.7	Ra	0.9	Ac	Rf	Db	Sg	Bh	Hs	Mt	Uun	Uuu	Uub	Uuq	Uuq	115	116	117	118	2.2

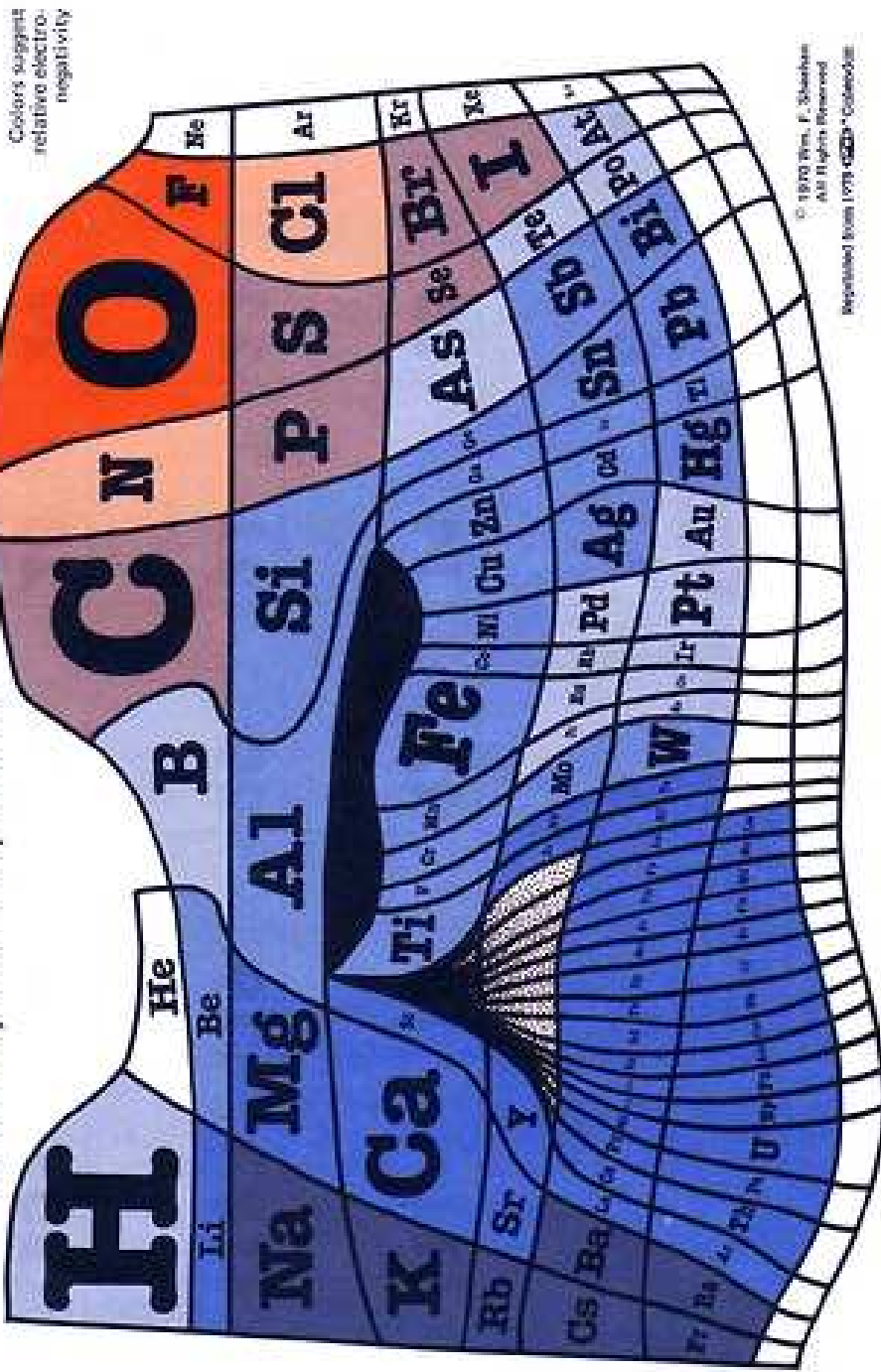
Pauling scale



Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
1.1	1.1	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
1.3	1.5	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	--

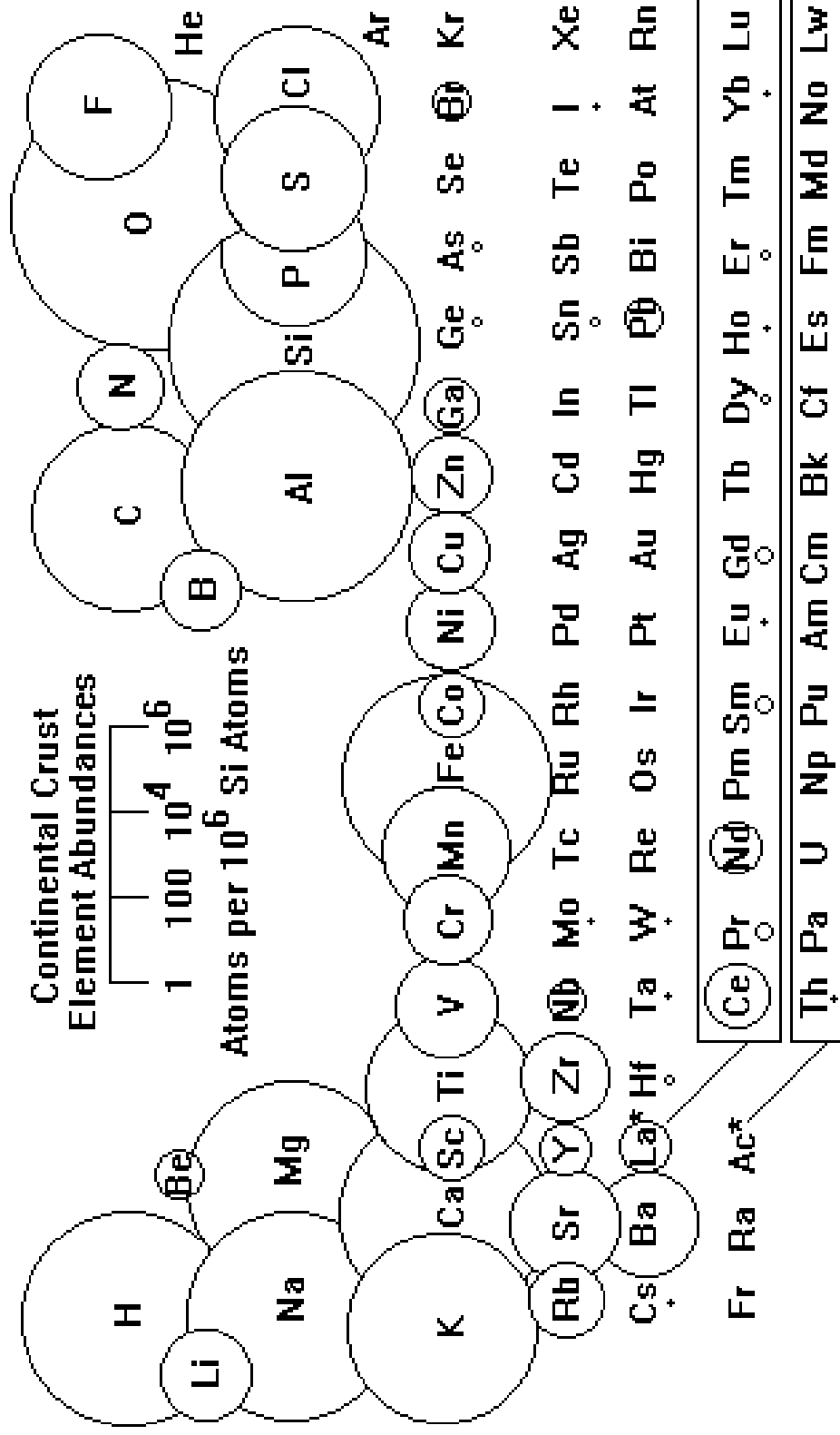
The Elements According to Relative Abundance

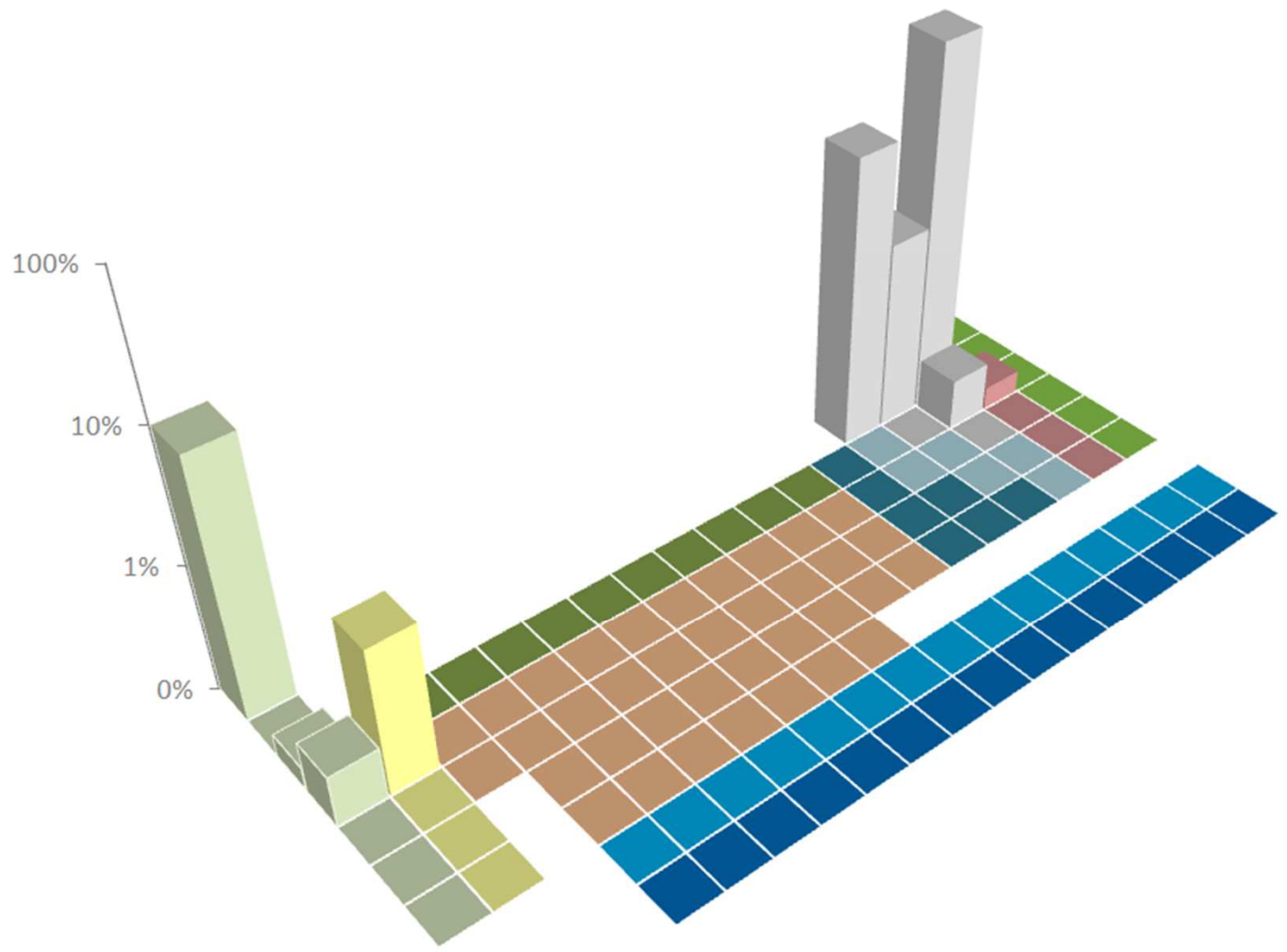
A Periodic Chart by Prof. Wm. F. Sheehan, University of Santa Clara, CA 95053
 Ref. Chemistry, Vol. 49, No. 3, p. 17-18, 1976



Roughly, the size of an element's own niche ("almost waste 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 supported to accommodate some distortions where necessary, FOR EXAMPLE SOME ELEMENTS DO NOT OCCUR NATURALLY.

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.





<http://scienceblogs.com/sciencepunk/2012/10/01/ideas-for-development-the-periodic-tower/>

Human body (rough)

