



Template:Periodic table (electronegativity by Pauling scale)

Periodic table of electronegativity by Pauling scale																			
→ Atomic radius decreases → Ionization energy increases → Electronegativity increases →																			
	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Group →																			
↓ Period																			
1	H 2.20																		He
2	Li 0.98	Be 1.57												B 2.04	C 2.55	N 3.04	O 3.44	F 3.98	Ne
3	Na 0.93	Mg 1.31												Al 1.61	Si 1.90	P 2.19	S 2.58	Cl 3.16	Ar
4	K 0.82	Ca 1.00		Sc 1.36	Ti 1.54	V 1.63	Cr 1.66	Mn 1.55	Fe 1.83	Co 1.88	Ni 1.91	Cu 1.90	Zn 1.65	Ga 1.81	Ge 2.01	As 2.18	Se 2.55	Br 2.96	Kr 3.00
5	Rb 0.82	Sr 0.95		Y 1.22	Zr 1.33	Nb 1.6	Mo 2.16	Tc 1.9	Ru 2.2	Rh 2.28	Pd 2.20	Ag 1.93	Cd 1.69	In 1.78	Sn 1.96	Sb 2.05	Te 2.1	I 2.66	Xe 2.60
6	Cs 0.79	Ba 0.89	*	Lu 1.27	Hf 1.3	Ta 1.5	W 2.36	Re 1.9	Os 2.2	Ir 2.20	Pt 2.28	Au 2.54	Hg 2.00	Tl 1.62	Pb 1.87	Bi 2.02	Po 2.0	At 2.2	Rn 2.2
7	Fr >0.79	Ra [0.9]	**	Lr 1.3	Rf [1.2]	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og
			*	La 1.1	Ce 1.12	Pr 1.13	Nd 1.14	Pm —	Sm 1.17	Eu —	Gd 1.2	Tb 1.1	Dy 1.22	Ho 1.23	Er 1.24	Tm 1.25	Yb —		
			**	Ac 1.1	Th 1.3	Pa 1.5	U 1.38	Np 1.36	Pu 1.28	Am 1.13	Cm 1.28	Bk 1.3	Cf 1.3	Es 1.3	Fm 1.3	Md 1.3	No 1.3		

See also: [Electronegativities of the elements \(data page\)](#)

There are no reliable sources for Pm, Eu and Yb other than the range of 1.1–1.2; see Pauling, Linus (1960). *The Nature of the Chemical Bond*. 3rd ed., Cornell University Press, p. 93.

- The electronegativity of francium was chosen by Pauling as 0.7, close to that of caesium (also assessed 0.7 at that point). The base value of hydrogen was later increased by 0.10 and caesium's electronegativity was later refined to 0.79; however, no refinements have been made for francium as no experiment has been conducted. However, francium is expected and, to a small extent, observed to be more electronegative than caesium. See [francium](#) for details.
- See Brown, Geoffrey (2012). *The Inaccessible Earth: An integrated view to its structure and composition*. Springer Science & Business Media. p. 88. [ISBN 9789401115162](#).

See Electronegativities of the elements (data page) for references.

Usage

See also

Periodic table templates and files		
{{Navbox periodic table}} {{Sidebar periodic table}}		
Column counts are columns only that contain elements. "Compact cells" denote cells with element symbol only, have navbox style and the table fits basic wiki page width (1024×768). "Detailed cells" have more data, and may cause page width excess (scroll bar added). "Extended" periodic tables are about theoretical periods 8 and higher (element 119 and higher).		
Table forms	Standard	18 columns: {{Basic}} · {{Micro cells (bare)}} · image:Periodic table 32 columns: {{Micro cells (box)}} ({{bare}}) · {{Compact}}
	Extended	Standard · {{Extended, 32 columns, navbox}} · by Aufbau · {{50 columns, period 8}} · {{50 columns, compact}}
	Alternative structure	Left step by Janet: {{Left step (with shell filling sequence)}}
Element properties	Data	{{Element data pages}} · Category:Infobox element data sets (46) ({{overview}}) · {{Boiling point}} · {{Melting point}}
	Variants	{{Transuranium element}}
	Electron configuration	{{Electron configuration}} · {{Electronegativity by Allen scale}} · {{Electronegativity by Pauling scale}}
Groups	{{Group names}} · {{Alkali metals}} · {{Alkaline earth metals}} · {{Group 3 elements}} · {{Group 4 elements}} · {{Group 5 elements}} · {{Group 6 elements}} · {{Group 7 elements}} · {{Group 8 elements}} · {{Group 9 elements}} · {{Group 10 elements}} · {{Group 11 elements}} · {{Group 12 elements}} · {{Boron group elements}} · {{Carbon group elements}} · {{Pnictogens}} · {{Chalcogens}} · {{Halogens}} · {{Noble gases}}	
Blocks	g-block · image:blocks (32 columns)	
Metal–metalloid–nonmetal	{{lanthanides}} · {{metalloids}}	
Themes	{{By nutritional elements}} · {{By Goldschmidt classification}} · {{By bonding}}	

Chemical compounds	{{Acetates}} · {{Acetylacetonate complexes}} · {{Arsenates}} · {{Arsenides}} · {{Azides}} · {{Bromates}} · {{Bromides}} · {{Carbides}} · {{Carbonates}} · {{Chlorates}} · {{Chlorides}} · {{Chlorites}} · {{Cyanates}} · {{Cyanides}} · {{Fluorides}} · {{Hydroxides}} · {{Hypochlorites}} · {{Iodates}} · {{Iodides}} · {{Nitrates}} · {{Nitrides}} · {{Nitrites}} · {{Perbromates}} · {{Perchlorates}} · {{Periodates}} · {{Permanganates}} · {{Perrhenates}} · {{Persulfates}} · {{Phosphates}} · {{Phosphides}} · {{Selenates}} · {{Selenides}} · {{Selenites}} · {{Sulfates}} · {{Sulfides}} · {{Sulfites}} · {{Tellurides}} · {{Tellurites}} · {{Titanates}} · {{Tungstates}} (Category:Chemical compound templates (12))
Legends	{{periodic table legend}} (multiple themes) · {{element color}} (hardcoded)
Formatting	{{cell}} · {{cell/navbox}} · {{cell-named}} · {{with image (picture)}} · {{cell-PyMOL}} · {{cell property}} (value option) · {{article quality}}
Navigation	Mainspace: {{Navbox periodic table}} (text) · {{Periodic table (navbox)}} (PT) · {{Sidebar navbox}} · {{PT index to isotopes articles}} · {{Navbox element data}} · Not for mainspace: {{PT index to element pages}} · {{Isotopes-of pages inline}}
WikiProject and maintenance	{{article quality}} (png image) · {{article importance}} · {{Recent changes in WP:Elements}}
Not normalised	{{Periodic table (Reihen and periods)}}
Images (commons)	commons:Category:Periodic tables using the enwiki classifications
Infoboxes	{{Infobox element}} (basic) · {{Index to chemical element pages}} · Category:Infobox element templates · {{Periodic table (32 columns, micro)}} ({{extension 119+}} · {{element cell}})
Nuclide templates	{{CheckElement}} · {{LinkForElement}} · {{NeutronsForElement}} · {{ProtonsForElement}} · {{SymbolForElement}}
Files and images	PT overview, 18 col · PT overview, 32 col · {{PT with pictures}} · article value · page views · Monoisotopes · Synthetic elements · Superheavy elements in PT
Isotopes	{{index}} (by periodic table) · {{Isotope sequence}} · {{stub}} · {{colour chart}} · {{Infobox isotope}} · PT half-life · Category:Isotope table templates (Detail)
Category:Periodic table templates (53) · {{Index to chemical element pages}} · WikiProject Elements (talk)	

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