Electronegativity of the Elements

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1 H Hydrogen 2.20		26 Fe Iron 1.83		Atomic number / Symbol / Name / χ (Pauling)		**Electronegativity (Pauling)** 0.79 — 3.98. How strongly an atom pulls electrons towards itself in a chemical bond. On the Pauling scale it runs from 0.79 for caesium to 3.98 for fluorine. Rises left to right across a period and falls down a group. Fluorine has the highest value. no data											2 He Helium no data
2	3 Li Lithium 0.98	4 Be Beryllium 1.57										5 B Boron 2.04	6 C Carbon 2.55	7 N Nitrogen 3.04	8 O Oxygen 3.44	9 F Fluorine 3.98	10 Ne Neon no data
3	11 Na Sodium 0.93	12 Mg Magnesium 1.31										13 Al Aluminium 1.61	14 Si Silicon 1.90	15 P Phosphorus 2.19	16 S Sulfur 2.58	17 Cl Chlorine 3.16	18 Ar Argon no data
4	19 K Potassium 0.82	20 Ca Calcium 1.00	21 Sc Scandium 1.36	22 Ti Titanium 1.54	23 V Vanadium 1.63	24 Cr Chromium 1.66	25 Mn Manganese 1.55	26 Fe Iron 1.83	27 Co Cobalt 1.88	28 Ni Nickel 1.91	29 Cu Copper 1.90	30 Zn Zinc 1.65	31 Ga Gallium 1.81	32 Ge Germanium 2.01	33 As Arsenic 2.18	34 Se Selenium 2.55	35 Br Bromine 2.96	36 Kr Krypton 3.00
5	37 Rb Rubidium 0.82	38 Sr Strontium 0.95	39 Y Yttrium 1.22	40 Zr Zirconium 1.33	41 Nb Niobium 1.6	42 Mo Molybdenum 2.16	43 Tc Technetium 1.9	44 Ru Ruthenium 2.2	45 Rh Rhodium 2.28	46 Pd Palladium 2.20	47 Ag Silver 1.93	48 Cd Cadmium 1.69	49 In Indium 1.78	50 Sn Tin 1.96	51 Sb Antimony 2.05	52 Te Tellurium 2.1	53 I Iodine 2.66	54 Xe Xenon 2.6
6	55 Cs Caesium 0.79	56 Ba Barium 0.89	57–71	72 Hf Hafnium 1.3	73 Ta Tantalum 1.5	74 W Tungsten 2.36	75 Re Rhenium 1.9	76 Os Osmium 2.2	77 Ir Iridium 2.20	78 Pt Platinum 2.28	79 Au Gold 2.54	80 Hg Mercury 2.00	81 Tl Thallium 1.62	82 Pb Lead 1.87	83 Bi Bismuth 2.02	84 Po Polonium 2.0	85 At Astatine no data	86 Rn Radon no data
7	87 Fr Francium no data	88 Ra Radium 0.9	89–103	104 Rf Rutherfordium no data	105 Db Dubnium no data	106 Sg Seaborgium no data	107 Bh Bohrium no data	108 Hs Hassium no data	109 Mt Meitnerium no data	110 Ds Darmstadtium no data	111 Rg Roentgenium no data	112 Cn Copernicium no data	113 Nh Nihonium no data	114 Fl Flerovium no data	115 Mc Moscovium no data	116 Lv Livermorium no data	117 Ts Tennessine no data	118 Og Oganesson no data

						57 La Lanthanum 1.10	58 Ce Cerium 1.12	59 Pr Praseodymium 1.13	60 Nd Neodymium 1.14	61 Pm Promethium no data	62 Sm Samarium 1.17	63 Eu Europium no data	64 Gd Gadolinium 1.20	65 Tb Terbium no data	66 Dy Dysprosium 1.22	67 Ho Holmium 1.23	68 Er Erbium 1.24	69 Tm Thulium 1.25	70 Yb Ytterbium no data	71 Lu Lutetium 1.27
						89 Ac Actinium 1.1	90 Th Thorium 1.3	91 Pa Protactinium 1.5	92 U Uranium 1.38	93 Np Neptunium 1.36	94 Pu Plutonium 1.28	95 Am Americium no data	96 Cm Curium no data	97 Bk Berkelium no data	98 Cf Californium no data	99 Es Einsteinium no data	100 Fm Fermium no data	101 Md Mendelevium no data	102 No Nobelium no data	103 Lr Lawrencium no data

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