

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
															pnictogens	chalcogens	halogens	
1	1 <b>H</b> Hydrogen 2.20	<div><div>Atomic Sym</div><div>Name</div><div>Pauling</div><div>2</div><div><b>He</b></div><div>Helium</div><div>4.0026</div><div>1s<sup>2</sup></div></div> <div><div><input type="radio"/> Series ..... Noble</div><div><input type="radio"/> State at 273 K ..... Gas</div><div><input type="radio"/> Melting Point ..... 0 K</div><div><input type="radio"/> Boiling Point ..... 4.22 K</div><div><input checked="" type="radio"/> Electronegativity ..... Unknown</div><div><input type="radio"/> Electron Affinity ..... 0 kJ/mol</div><div><input type="radio"/> Valence ..... 0</div><div><input type="radio"/> Ionization ..... 2372.3 kJ/mol</div><div><input type="radio"/> Radius ..... 31 pm</div><div><input type="radio"/> Hardness ..... Unknown</div><div><input type="radio"/> Modulus ..... Unknown</div><div><input type="radio"/> Density ..... 0.1785 kg/m³</div><div><input type="radio"/> Conductivity ..... 0.1513 W/mK</div><div><input type="radio"/> Heat ..... 5193.1 J/kgK</div><div><input type="radio"/> Abundance ..... 23%</div><div><input type="radio"/> Discovered ..... 1895</div></div>																2 <b>He</b> Helium
2	3 <b>Li</b> Lithium 0.98	4 <b>Be</b> Beryllium 1.57															10 <b>Ne</b> Neon	
3	11 <b>Na</b> Sodium 0.93	12 <b>Mg</b> Magnesium 1.31															18 <b>Ar</b> Argon	
4	19 <b>K</b> Potassium 0.82	20 <b>Ca</b> Calcium 1.0	21 <b>Sc</b> Scandium 1.36	22 <b>Ti</b> Titanium 1.54	23 <b>V</b> Vanadium 1.63	24 <b>Cr</b> Chromium 1.66	25 <b>Mn</b> Manganese 1.55	26 <b>Fe</b> Iron 1.83	27 <b>Co</b> Cobalt 1.88	28 <b>Ni</b> Nickel 1.91	29 <b>Cu</b> Copper 1.90	30 <b>Zn</b> Zinc 1.65	31 <b>Ga</b> Gallium 1.81	32 <b>Ge</b> Germanium 2.01	33 <b>As</b> Arsenic 2.18	34 <b>Se</b> Selenium 2.55	35 <b>Br</b> Bromine 2.96	36 <b>Kr</b> Krypton 3.0
5	37 <b>Rb</b> Rubidium 0.82	38 <b>Sr</b> Strontium 0.95	39 <b>Y</b> Yttrium 1.22	40 <b>Zr</b> Zirconium 1.33	41 <b>Nb</b> Niobium 1.6	42 <b>Mo</b> Molybdenum 2.16	43 <b>Tc</b> Technetium 1.9	44 <b>Ru</b> Ruthenium 2.2	45 <b>Rh</b> Rhodium 2.28	46 <b>Pd</b> Palladium 2.20	47 <b>Ag</b> Silver 1.93	48 <b>Cd</b> Cadmium 1.69	49 <b>In</b> Indium 1.78	50 <b>Sn</b> Tin 1.96	51 <b>Sb</b> Antimony 2.05	52 <b>Te</b> Tellurium 2.1	53 <b>I</b> Iodine 2.66	54 <b>Xe</b> Xenon 2.6
6	55 <b>Cs</b> Caesium 0.79	56 <b>Ba</b> Barium 0.89	57–71	72 <b>Hf</b> Hafnium 1.3	73 <b>Ta</b> Tantalum 1.5	74 <b>W</b> Tungsten 2.36	75 <b>Re</b> Rhenium 1.9	76 <b>Os</b> Osmium 2.2	77 <b>Ir</b> Iridium 2.20	78 <b>Pt</b> Platinum 2.28	79 <b>Au</b> Gold 2.54	80 <b>Hg</b> Mercury 2.0	81 <b>Tl</b> Thallium 1.62	82 <b>Pb</b> Lead 2.33	83 <b>Bi</b> Bismuth 2.02	84 <b>Po</b> Polonium 2.0	85 <b>At</b> Astatine 2.2	86 <b>Rn</b> Radon
7	87 <b>Fr</b> Francium 0.7	88 <b>Ra</b> Radium 0.9	89–103	104 <b>Rf</b> Rutherfordium	105 <b>Db</b> Dubnium	106 <b>Sg</b> Seaborgium	107 <b>Bh</b> Bohrium	108 <b>Hs</b> Hassium	109 <b>Mt</b> Meitnerium	110 <b>Ds</b> Darmstadtium	111 <b>Rg</b> Roentgenium	112 <b>Cn</b> Copernicium	113 <b>Nh</b> Nihonium	114 <b>Fl</b> Flerovium	115 <b>Mc</b> Moscovium	116 <b>Lv</b> Livermorium	117 <b>Ts</b> Tennessine	118 <b>Og</b> Oganesson

Electronegativity values range from a low of 0.7 (yellow) to 3.98 (red).

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