

Periodická tabulka prvků



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1	I- 1,0079 0,0899 1 H 2,2 1766 7 2 Vodík Hydrogenium																	4,0026 0,1785 2 He 3,99 1895 8 2 Helium Helium						
2	I 6,941 534 3 Li 0,98 1817 12 2 Lithium Lithium	II 9,0121 1 850 4 Be 1,57 1798 15 1 Beryllium Beryllium	III, V, VII, I, -III 30, 9737 1 820 15 P 2,19 1669 23 1 Fosfor Phosphorum										II, III 10,811 2 340 5 B 2,0 1808 14 2 Bor Borium	II, III, IV, -IV 12,0107 2 620 6 C 2,55 ~ 15 2 Uhlík Carbonium	I, II, III, -III, IV, V 14,0067 1,251 7 N 3,04 1772 17 2 Dusík Nitrogenium	I, -I, -II 15,9994 1,251 8 O 3,5 1774 17 3 Kyslík Oxygenium	-I 18,9984 1,696 9 F 3,98 1886 19 1 Fluor Fluorum	20,1797 0,899 10 Ne 3,67 1898 19 3 Neon Neon						
3	I 22,9897 971 11 Na 0,93 1807 22 1 Sodík Natrium	II 24,305 1 740 12 Mg 1,31 1808 22 3 Hořčík Magnesium	skupenství za normálních podmínek: g I s ?																I, III 26,9815 2 700 13 Al 1,61 1825 25 1 Hliník Aluminium	IV, -IV 28,0855 2 330 14 Si 1,8 1824 25 3 Křemík Silicium	III, V, VII, -I, -III 30,9737 1 820 15 P 2,19 1669 23 1 Fosfor Phosphorum	II, IV, VI, -II 32,065 2 070 16 S 2,58 ~ 25 4 Síra Sulphur	I, -I, III, V, VII 35,453 2,96 17 Cl 3,16 1774 26 2 Chlor Chlorum	39,948 1,78 18 Ar 3,3 1894 26 3 Argon Argon
4	I 39,0983 860 19 K 0,82 1807 28 2 Draslík Kalium	II 40,078 1 550 20 Ca 1,0 1808 24 5 Vápník Calcium	III 44,9559 3 100 21 Sc 1,36 1879 37 1 Skandium Scandium	III, IV 47,867 4 500 22 Ti 1,54 1791 28 5 Titan Titanium	II, III, IV, V 50,9415 5 980 23 V 1,63 1830 32 1 Vanad Vanadium	I, II, III, IV, V, VI 51,9961 7 190 24 Cr 1,66 1797 28 4 Chrom Chromium	II, III, IV, VI, VII 54,938 7 430 25 Mn 1,55 1774 33 1 Mangan Manganum	I, II, III, VI 55,845 7 870 26 Fe 1,83 ~ 35 4 Železo Ferrum	I, II, III, IV 58,9331 8 830 27 Co 1,88 1739 40 1 Kobalt Cobaltum	I, II, III, IV 58,6934 8 960 28 Ni 1,91 1751 39 5 Nikl Niccolum	I, II, III 63,546 7 140 29 Cu 1,9 ~ 36 2 Měď Cuprum	II 65,409 7 140 30 Zn 1,7 ~ 40 5 Zinek Zincum	I, II, III 69,723 5 910 31 Ga 1,81 1875 38 2 Gallium Gallium	II, IV 72,64 5 350 32 Ge 2,01 1886 44 4 Germanium Germanium	I, II, III, -III, IV, V 74,9216 5 720 33 As 2,18 ~ 44 1 Arsen Arsenicum	II, IV, VI, -II 78,96 4 790 34 Se 2,55 1818 39 5 Selen Selenium	I, -I, III, V, VII 79,904 3 130 35 Br 2,96 1826 47 2 Brom Bromum	IV 83,798 3,44 36 Kr 3,0 1898 42 6 Krypton Krypton						
5	I 85,4678 1 530 37 Rb 0,82 1861 50 1 Rubidium Rubidium	II 87,62 2 600 38 Sr 0,95 1790 40 4 Stroncium Strontium	III 88,9058 4 470 39 Y 1,22 1789 58 1 Yttrium Yttrium	II, III, IV 91,224 6 510 40 Zr 1,33 1789 41 4 Zirkonium Zirconium	III, V 92,9063 8 570 41 Nb 1,6 1801 58 1 Niob Niobium	I - VII 95,94 10 200 42 Mo 2,16 1778 40 6 Molybden Molybdaenum	IV, VI, VII 97,907 11 500 43 Tc 1,9 1937 55 0 Technecium Technetium	II - VIII 101,07 12 200 44 Ru 2,2 1844 41 7 Ruthenium Ruthenium	I, II, III, IV, V 102,9055 12 400 45 Rh 2,28 1803 54 1 Rhodium Rhodium	II, IV 106,42 12 000 46 Pd 2,2 1803 45 6 Palladium Palladium	I, II, III 107,8682 10 500 47 Ag 1,93 ~ 71 2 Stříbro Argentum	II 112,411 8 650 48 Cd 1,69 1863 85 1 Kadmium Cadmium	I, II, III 114,818 7 310 49 In 1,78 1863 85 1 Indium Indium	II, IV 118,71 7 300 50 Sn 1,96 ~ 63 10 Cín Stannum	III, V, -III 121,76 6 690 51 Sb 2,05 ~ 62 2 Antimon Stibium	II, IV, VI, -II 127,60 6 240 52 Te 2,1 1782 56 5 Tellur Tellurium	I, -I, V, VII 126,9044 4 940 53 I 2,66 1811 51 1 Jod Iodum	II, IV, VI, VIII 131,293 5,88 54 Xe 2,6 1898 50 9 Xenon Xenon						
6	I 132,9054 1 870 55 Cs 0,79 1860 68 1 Cesium Caesium	II 137,327 3 510 56 Ba 0,89 1808 49 7 Baryum Baryum	III 138,9054 6 700 57 La 1,1 1839 52 1 Lanthan Lanthanum	II, III, IV 178,49 13 100 72 Hf 1,3 1923 55 5 Hafnium Hafnium	II, III, IV, V 180,9478 16 600 73 Ta 1,5 1802 64 1 Tantal Tantalum	II, III, IV, V, VI 183,84 19 300 74 W 2,36 1783 43 5 Wolfram Wolframium	I, II, III, IV, VII 186,207 21 000 75 Re 1,9 1925 55 1 Rhenium Rhenium	II, III, IV, VI, VIII 190,23 22 600 76 Os 2,2 1804 42 6 Osmium Osmium	I, II, III, IV, V, VI 192,217 21 450 77 Ir 2,2 1804 68 2 Iridium Iridium	I, II, III, IV, VI 195,084 21 450 78 Pt 2,28 1735 47 5 Platina Platinum	I, III, -I 196,9665 19 300 79 Au 2,54 ~ 70 1 Zlato Aurum	II 200,59 15 300 80 Hg 2,2 ~ 56 7 Rtuť Hydrargyrum	I, II, III 204,3833 11 800 81 Tl 2,04 1861 78 2 Thallium Thallium	II, IV 207,20 11 300 82 Pb 2,33 ~ 74 4 Olovo Plumbum	I, II, III 208,9804 9 800 83 Bi 2,02 ~ 75 0 Bismut Bismuthum	II, IV, VI 208,982 9 400 84 Po 2,0 1898 58 0 Polonium Polonium	I, -I, III, V, VII 209,987 ~ 85 At 2,2 1940 53 0 Astat Astatium	II 222,017 9,73 86 Rn 2,0 1898 46 0 Radon Radon						
7	I 223,01 1 873 87 Fr 0,7 1939 43 0 Francium Francium	II 226,025 5 000 88 Ra 0,97 1898 43 0 Radium Radium	III 227,027 10 700 89 Ac 1,1 1899 39 0 Aktinium Actinium	IV 261,108 23 000? 104 Rf 1969 25 0 Rutherfordium Rutherfordium	V 262,114 ~ 105 Db 1970 21 0 Dubnium Dubnium	VI 263,118 ~ 106 Sg 1974 20 0 Seaborgium Seaborgium	VII 264,12 ~ 107 Bh 1976 18 0 Bohrium Bohrium	II, IV, VI, VIII 265,13 ~ 108 Hs 1984 18 0 Hassium Hassium	III, IV [268] ~ 109 Mt 1982 17 0 Meitnerium Meitnerium	[271] ~ 110 Ds 1994 19 0 Darmstadtium Darmstadtium	[272] ~ 111 Rg 1994 12 0 Roentgenium Roentgenium	II, IV [285] ~ 112 Cn 1996 9 0 Copernicium Copernicium	[286] ~ 113 Uut 2004 5 0 Ununtrium Ununtrium	[289] ~ 114 Fl 1999 5 0 Flerovium Flerovium	[289] ~ 115 Uup 2004 5 0 Ununpentium Ununpentium	[293] ~ 116 Lv 2004 4 0 Livermorium Livermorium	[294] ~ 117 Uus 2004 2 0 Ununseptium Ununseptium	[294] ~ 118 Uuo 1999 1 0 Ununoctium Ununoctium						

III, IV 140,116 6 670 58 Ce 1,12 1803 52 4 Cer Cerium	II, III, IV 140,9076 6 770 59 Pr 1,13 1885 54 1 Praseodym Praseodym	II, III 144,242 7 000 60 Nd 1,14 1925 51 5 Neodym Neodymium	III 144,913 6 475 61 Pm 1,13 1945 57 0 Promethium Promethium	II, III 150,36 7 536 62 Sm 1,17 1879 50 5 Samarium Samarium	II, III 151,964 5 266 63 Eu 1,2 1901 51 2 Europium Europium	III 157,25 7 890 64 Gd 1,2 1860 46 6 Gadolinium Gadolinium	II, III, IV 158,925 8 270 65 Tb 1,2 1843 59 1 Terbium Terbium	II, III 162,5 8 546 66 Dy 1,22 1886 47 7 Dysprosium Dysprosium	III 164,9303 8 780 67 Ho 1,23 1878 64 1 Holmium Holmium	III 167,259 9 050 68 Er 1,24 1843 45 6 Erbium Erbium	II, III 168,9342 9 336 69 Tm 1,25 1879 58 1 Thulium Thulium	II, III 173,054 6 980 70 Yb 1,25 1878 46 7 Ytterbium Ytterbium	III 174,967 9 840 71 Lu 1,27 1907 71 1 Lutecium Lutecium	IV 232,038 11 720 90 Th 1,3 1828 33 0 Thorium Thorium	IV, V 231,0358 15 370 91 Pa 1,5 1917 32 0 Protaktinium Protaktinium	II, III, IV, V, VI 238,0289 20 480 92 U 1,38 1789 32 0 Uran Uranium	III, IV, V, VI 237,048 19 740 93 Np 1,36 1940 30 0 Neptunium Neptunium	II, IV, V, VI 244,064 13 676 94 Pu 1,28 1940 30 0 Plutonium Plutonium	III, IV, V, VI 243,061 13 706 95 Am 1,3 1945 26 0 Americium Americium	II, IV 247,07 14 780 96 Cm 1,3 1944 27 0 Curium Curium	III, IV 247,07 14 780 97 Bk 1,3 1949 36 0 Berkelium Berkelium	II, III, IV 251,07 15 100 98 Cf 1,3 1950 23 0 Kalifornium Californium	III 252,083 15 370 99 Es 1,3 1952 30 0 Einsteinium Einsteinium	II, III 257,095 18 970 100 Fm 1,3 1953 25 0 Fermium Fermium	II, III 258,098 20 480 101 Md 1,3 1955 31 0 Mendelevium Mendelevium	II, III 259,101 19 740 102 No 1,3 1957 23 0 Nobelium Nobelium	III 260 13 670 103 Lr 1,29 1961 23 0 Lawrencium Lawrencium
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