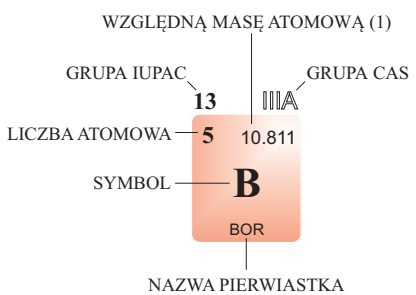


UKŁAD OKRESOWY PIERWIASTKÓW

<http://www.periodni.com>

OKRES	GRUPA																															
	1 IA	2 IIA		3-10										11 IB	12 IIB	13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA	18 VIIIA											
1	1 1.0079 H WODÓR															5 10.811 B BOR	6 12.011 C WĘGIEL	7 14.007 N AZOT	8 15.999 O TLEN	9 18.998 F FLUOR	10 20.180 Ne NEON											
2	3 6.941 Li LIT	4 9.0122 Be BERYL													13 26.982 Al GLIN	14 28.086 Si KRZEM	15 30.974 P FOSFOR	16 32.065 S SIARKA	17 35.453 Cl CHLOR	18 39.948 Ar ARGON												
3	11 22.990 Na SÓD	12 24.305 Mg MAGNEZ													19 39.098 K POTAS	20 40.078 Ca WAPŃ	21 44.956 Sc SKAND	22 47.867 Ti TYTAN	23 50.942 V WANAD	24 51.996 Cr CHROM	25 54.938 Mn MANGAN	26 55.845 Fe ŻELAZO	27 58.933 Co KOBALT	28 58.693 Ni NIKIEL	29 63.546 Cu MIEDŹ	30 65.38 Zn CYNK	31 69.723 Ga GAL	32 72.64 Ge GERMAN	33 74.922 As ARSEN	34 78.96 Se SELEN	35 79.904 Br BROM	36 83.798 Kr KRYPTON
4	37 85.468 Rb RUBID	38 87.62 Sr STRONT	39 88.906 Y ITR	40 91.224 Zr CYRKON	41 92.906 Nb NIOB	42 95.96 Mo MOLIBDEN	43 (98) Tc TECHNET	44 101.07 Ru RUTEN	45 102.91 Rh ROD	46 106.42 Pd PALLAD	47 107.87 Ag SREBRO	48 112.41 Cd KADM	49 114.82 In IND	50 118.71 Sn CYNA	51 121.76 Sb ANTYMON	52 127.60 Te TELLUR	53 126.90 I JOD	54 131.29 Xe KSENON														
5	55 132.91 Cs CEZ	56 137.33 Ba BAR	57-71 La-Lu Lantanowce	72 178.49 Hf HAFN	73 180.95 Ta TANTAL	74 183.84 W WOLFRAM	75 186.21 Re REN	76 190.23 Os OSM	77 192.22 Ir IRYD	78 195.08 Pt PLATYNA	79 196.97 Au ZŁOTO	80 200.59 Hg RTEĆ	81 204.38 Tl TAL	82 207.2 Pb OŁÓW	83 208.98 Bi BIZMUT	84 (209) Po POLON	85 (210) At ASTAT	86 (222) Rn RADON														
6	87 (223) Fr FRANS	88 (226) Ra RAD	89-103 Ac-Lr Aktynowce	104 (267) Rf RUTHERFORD	105 (268) Db DUBN	106 (271) Sg SEABORG	107 (272) Bh BOHR	108 (277) Hs HAS	109 (276) Mt MEITNER	110 (281) Ds DARMSZTADT	111 (280) Rg ROENTGEN	112 (285) Cn COPERNICIUM	113 (...) Uut UNUNTRIUM	114 (287) Ffl FLEROVIUM	115 (...) Uup UNUNPENTIUM	116 (291) Lv LIVERMORIUM	117 (...) Uus UNUNSEPTIUM	118 (...) Uuo UNUNOCTIUM														



■ Metal	■ Półmetale	■ Niemetale
■ Metale alkaliczne	■ Tlenowce	
■ Metale ziem alkalicznych	■ Fluorowce	
■ Metale przejściowe	■ Gazy szlachetne	
■ Lantanowce		
■ Aktynowce		

STAN SKUPIENIA (25 °C; 101 kPa)

Ne - gazowy **Fe** - stały

Hg - ciekły **Tc** - syntetyczny

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LANTANOWCE

57 138.91 La LANTAN	58 140.12 Ce CER	59 140.91 Pr PRAZEODYM	60 144.24 Nd NEODYM	61 (145) Pm PROMET	62 150.36 Sm SAMAR	63 151.96 Eu EUROP	64 157.25 Gd GADOLIN	65 158.93 Tb TERB	66 162.50 Dy DYSPROZ	67 164.93 Ho HOLM	68 167.26 Er ERB	69 168.93 Tm TUL	70 173.05 Yb ITERB	71 174.97 Lu LUTET
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AKTYNOWCE

89 (227) Ac AKTYN	90 232.04 Th TOR	91 231.04 Pa PROTAKTYN	92 238.03 U URAN	93 (237) Np NEPTUN	94 (244) Pu PLUTON	95 (243) Am AMERYK	96 (247) Cm KIUR	97 (247) Bk BERKEL	98 (251) Cf KALIFORN	99 (252) Es EINSTEIN	100 (257) Fm FERM	101 (258) Md MENDELEW	102 (259) No NOBEL	103 (262) Lr LORENS
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(1) Atomic Weights of the Elements 2007, Pure Appl. Chem., 81, No. 11, 2131-2156 (2009)