

Układ okresowy

1	2											13	14	15	16	17	18
1 H Wodór 1.008																	2 He Hel 4.003
2 Li Lit 6.94	3 Be Beryl 9.012											5 B Bor 10.811	6 C Węgiel 12.011	7 N Azot 14.007	8 O Tlen 15.999	9 F Fluor 18.998	10 Ne Neon 20.18
3 Na Sód 22.99	4 Mg Magnez 24.305											13 Al Glin 26.982	14 Si Krzem 28.086	15 P Fosfor 30.974	16 S Siarka 32.066	17 Cl Chlor 35.453	18 Ar Argon 39.948
4 K Potas 39.098	5 Ca Wapń 40.078	21 Sc Skand 44.956	22 Ti Tytan 47.867	23 V Wanad 50.942	24 Cr Chrom 51.996	25 Mn Mangan 54.938	26 Fe Żelazo 55.845	27 Co Kobalt 58.933	28 Ni Nikiel 58.693	29 Cu Miedź 63.546	30 Zn Cynk 65.341	31 Ga Gal 69.723	32 Ge German 72.64	33 As Arsen 74.922	34 Se Selen 78.96	35 Br Brom 79.904	36 Kr Krypton 83.8
5 Rb Rubid 85.468	6 Sr Stront 87.62	39 Y Itr 88.906	40 Zr Cyrkon 91.224	41 Nb Niob 92.906	42 Mo Molibden 95.94	43 Tc Technet 97.905	44 Ru Ruten 101.07	45 Rh Rod 102.906	46 Pd Pallad 106.42	47 Ag Srebro 107.868	48 Cd Kadm 112.411	49 In Ind 114.818	50 Sn Cyna 118.71	51 Sb Antymon 121.76	52 Te Tellur 127.6	53 I Jod 126.904	54 Xe Ksenon 131.293
6 Cs Cez 132.906	7 Ba Bar 137.327	57-71 *	72 Hf Hafn 178.49	73 Ta Tantal 180.948	74 W Wolfram 183.84	75 Re Ren 186.207	76 Os Osm 190.23	77 Ir Iryd 192.217	78 Pt Platyna 195.084	79 Au Złoto 196.967	80 Hg Rtęć 200.59	81 Tl Tal 204.383	82 Pb Ołów 207.2	83 Bi Bizmut 208.98	84 Po Polon 208.982	85 As Astat 209.987	86 Rn Radon 222.018
7 Fr Frans 223.02	88 Ra Rad 226.025	89-103 **	104 Rf Rutherford 267.1	105 Db Dubn 268.1	106 Sg Seaborg 271.1	107 Bh Bohr 270.1	108 Hs Has 277.1	109 Mt Meitner 278.2	110 Ds Darmsztadt 281.2	111 Rg Roentgen 281.2	112 Cn Kopernik 285	113 Nh Nihonium 286	114 Fl Flerovium 289	115 Mc Moscovium 289	116 Lv Livermorium 292	117 Ts Tennessine 294	118 Og Oganesson 294

Liczba atomowa	23	V	Symbol pierwiastka
Masa atomowa	50.942	Wanad	Nazwa pierwiastka
	2,3,4,5		Wartościowość

* Lantanowce

57 La Lantan 138.906	58 Ce Cer 140.116	59 Pr Prazeodym 140.908	60 Nd Neodym 144.24	61 Pm Promet 144.913	62 Sm Samar 150.36	63 Eu Europ 151.25	64 Gd Gadolin 157.25	65 Tb Terb 158.926	66 Dy Dysproz 162.5	67 Ho Holm 164.93	68 Er Erb 167.259	69 Tm Tul 168.938	70 Yb Iterb 173.04	71 Lu Lutet 174.967
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** Aktynowce

89 Ac Aktyn 227.028	90 Th Tor 232.038	91 Pa Protaktyn 231.036	92 U Uran 238.029	93 Np Neptun 237.048	94 Pu Pluton 244.064	95 Am Ameryk 243.061	96 Cm Kiur 247.07	97 Bk Berkel 247.07	98 Cf Kaliforn 251.08	99 Es Einstein 252.088	100 Fm Ferm 257.095	101 Md Mendelew 258.098	102 No Nobel 259.101	103 Lr Lorens 262.11
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LEGENDA

metal alkaliczny
metal ziem alkalicznych
lantanowiec
aktynowiec
metal przejściowy
metal bloku p
półmetal
niemetal
gaz szlachetny