# Układ okresowy pierwiastków

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,00794<br>$_{1}$H<br>wodór | | | | | | | | | | | | | | | | | 4,002602<br>$_{2}$He<br>hel | 1 |
| 6,941<br>$_{3}$Li<br>lit | 9,012182<br>$_{4}$Be<br>beryl | | | | | | | | | | | 10,811<br>$_{5}$B<br>bor | 12,0107<br>$_{6}$C<br>węgiel | 14,00674<br>$_{7}$N<br>azot | 15,9994<br>$_{8}$O<br>tlen | 18,9984032<br>$_{9}$F<br>fluor | 20,1797<br>$_{10}$Ne<br>neon | 2 |
| 22,989770<br>$_{11}$Na<br>sód | 24,3050<br>$_{12}$Mg<br>magnez | | | | | | | | | | | 26,981538<br>$_{13}$Al<br>glin | 28,0855<br>$_{14}$Si<br>krzem | 30,973761<br>$_{15}$P<br>fosfor | 32,065<br>$_{16}$S<br>siarka | 35,453<br>$_{17}$Cl<br>chlor | 39,948<br>$_{18}$Ar<br>argon | 3 |
| 39,0983<br>$_{19}$K<br>potas | 40,078<br>$_{20}$Ca<br>wapń | 44,955910<br>$_{21}$Sc<br>skand | 47,867<br>$_{22}$Ti<br>tytan | 50,9415<br>$_{23}$V<br>wanad | 51,9961<br>$_{24}$Cr<br>chrom | 54,938049<br>$_{25}$Mn<br>mangan | 55,845<br>$_{26}$Fe<br>żelazo | 58,933200<br>$_{27}$Co<br>kobalt | 58,6934<br>$_{28}$Ni<br>nikiel | 63,546<br>$_{29}$Cu<br>miedź | 65,409<br>$_{30}$Zn<br>cynk | 69,723<br>$_{31}$Ga<br>gal | 72,64<br>$_{32}$Ge<br>german | 74,92160<br>$_{33}$As<br>arsen | 78,96<br>$_{34}$Se<br>selen | 79,904<br>$_{35}$Br<br>brom | 83,798<br>$_{36}$Kr<br>krypton | 4 |
| 85,4678<br>$_{37}$Rb<br>rubid | 87,62<br>$_{38}$Sr<br>stront | 88,90585<br>$_{39}$Y<br>itr | 91,224<br>$_{40}$Zr<br>cyrkon | 92,90638<br>$_{41}$Nb<br>niob | 95,94<br>$_{42}$Mo<br>molibden | (97,907)<br>$_{43}$Tc<br>technet | 101,07<br>$_{44}$Ru<br>ruten | 102,90550<br>$_{45}$Rh<br>rod | 106,42<br>$_{46}$Pd<br>pallad | 107,8682<br>$_{47}$Ag<br>srebro | 112,411<br>$_{48}$Cd<br>kadm | 114,818<br>$_{49}$In<br>ind | 118,710<br>$_{50}$Sn<br>cyna | 121,760<br>$_{51}$Sb<br>antymon | 127,60<br>$_{52}$Te<br>tellur | 126,90447<br>$_{53}$I<br>jod | 131,293<br>$_{54}$Xe<br>ksenon | 5 |
| 132,90545<br>$_{55}$Cs<br>cez | 137,327<br>$_{56}$Ba<br>bar | 174,967<br>$_{71}$Lu<br>lutet | 178,49<br>$_{72}$Hf<br>hafn | 180,9479<br>$_{73}$Ta<br>tantal | 183,84<br>$_{74}$W<br>wolfram | 186,207<br>$_{75}$Re<br>ren | 190,23<br>$_{76}$Os<br>osm | 192,217<br>$_{77}$Ir<br>iryd | 195,078<br>$_{78}$Pt<br>platyna | 196,96655<br>$_{79}$Au<br>złoto | 200,59<br>$_{80}$Hg<br>rtęć | 204,3833<br>$_{81}$Tl<br>tal | 207,2<br>$_{82}$Pb<br>ołów | 208,98038<br>$_{83}$Bi<br>bizmut | (208,982)<br>$_{84}$Po<br>polon | (209,987)<br>$_{85}$At<br>astat | (222,018)<br>$_{86}$Rn<br>radon | 6 |
| (223,020)<br>$_{87}$Fr<br>frans | (226,025)<br>$_{88}$Ra<br>rad | (262,110)<br>$_{103}$Lr<br>lorens | (263,1)<br>$_{104}$Rf<br>rutherford | (268,1)<br>$_{105}$Db<br>dubn | (266,1)<br>$_{106}$Sg<br>seaborg | (267,1)<br>$_{107}$Bh<br>bohr | (277,1)<br>$_{108}$Hs<br>has | (276,2)<br>$_{109}$Mt<br>meitner | (281,2)<br>$_{110}$Ds<br>darmstadt | (280,2)<br>$_{111}$Rg<br>rentgen | (285,2)<br>$_{112}$Cn<br>kopernik | (284,2)<br>$_{113}$Uut<br>ununtri | (289,2)<br>$_{114}$Fl<br>flerow | (288,2)<br>$_{115}$Uup<br>ununpent | (292,2)<br>$_{116}$Lv<br>liwermor | (294)<br>$_{117}$Uus<br>ununsept | (294)<br>$_{118}$Uuo<br>ununokt | 7 |

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| 138,9055<br>$_{57}$La<br>lantan | 140,116<br>$_{58}$Ce<br>cer | 140,90765<br>$_{59}$Pr<br>prazeodym | 144,24<br>$_{60}$Nd<br>neodym | (144,913)<br>$_{61}$Pm<br>promet | 150,36<br>$_{62}$Sm<br>samar | 151,964<br>$_{63}$Eu<br>europ | 157,25<br>$_{64}$Gd<br>gadolin | 158,92534<br>$_{65}$Tb<br>terb | 162,500<br>$_{66}$Dy<br>dysproz | 164,93032<br>$_{67}$Ho<br>holm | 167,259<br>$_{68}$Er<br>erb | 168,93421<br>$_{69}$Tm<br>tul | 173,04<br>$_{70}$Yb<br>iterb | 6 |
| (227,028)<br>$_{89}$Ac<br>aktyn | 232,0381<br>$_{90}$Th<br>tor | 231,03588<br>$_{91}$Pa<br>protaktyn | 238,02891<br>$_{92}$U<br>uran | (237,048)<br>$_{93}$Np<br>neptun | (244,064)<br>$_{94}$Pu<br>pluton | (243,061)<br>$_{95}$Am<br>ameryk | (247,070)<br>$_{96}$Cm<br>kiur | (247,070)<br>$_{97}$Bk<br>berkel | (251,080)<br>$_{98}$Cf<br>kaliforn | (252,083)<br>$_{99}$Es<br>einstein | (257,095)<br>$_{100}$Fm<br>ferm | (258,098)<br>$_{101}$Md<br>mendelew | (259,101)<br>$_{102}$No<br>nobel | 7 |

Masy atomowe w nawiasach dotyczą najtrwalszego ze znanych izotopów danego pierwiastka.