

Periodic Table of Elements

With Atomic Radius (calculated)

Atomic radius decreases →																					
18																					
1																	2				
1 H Hydrogen • 53																	2 He Helium • 31				
3 Li Lithium • 167	4 Be Beryllium • 112															5 B Boron • 87	6 C Carbon • 67	7 N Nitrogen • 56	8 O Oxygen • 48	9 F Fluorine • 42	10 Ne Neon • 38
11 Na Sodium • 190	12 Mg Magnesium • 145															13 Al Aluminium • 118	14 Si Silicon • 111	15 P Phosphorus • 98	16 S Sulfur • 88	17 Cl Chlorine • 79	18 Ar Argon • 71
19 K Potassium • 243	20 Ca Calcium • 194	21 Sc Scandium • 184	22 Ti Titanium • 176	23 V Vanadium • 171	24 Cr Chromium • 166	25 Mn Manganese • 161	26 Fe Iron • 156	27 Co Cobalt • 152	28 Ni Nickel • 149	29 Cu Copper • 145	30 Zn Zinc • 142	31 Ga Gallium • 136	32 Ge Germanium • 125	33 As Arsenic • 114	34 Se Selenium • 103	35 Br Bromine • 94	36 Kr Krypton • 88				
37 Rb Rubidium • 265	38 Sr Strontium • 219	39 Y Yttrium • 212	40 Zr Zirconium • 206	41 Nb Niobium • 198	42 Mo Molybdenum • 190	43 Tc Technetium • 183	44 Ru Ruthenium • 178	45 Rh Rhodium • 173	46 Pd Palladium • 169	47 Ag Silver • 165	48 Cd Cadmium • 161	49 In Indium • 156	50 Sn Tin • 145	51 Sb Antimony • 133	52 Te Tellurium • 123	53 I Iodine • 115	54 Xe Xenon • 108				
55 Cs Caesium • 298	56 Ba Barium • 253	* **	72 Hf Hafnium • 208	73 Ta Tantalum • 200	74 W Tungsten • 193	75 Re Rhenium • 188	76 Os Osmium • 185	77 Ir Iridium • 180	78 Pt Platinum • 177	79 Au Gold • 174	80 Hg Mercury • 171	81 Tl Thallium • 156	82 Pb Lead • 154	83 Bi Bismuth • 143	84 Po Polonium • 135	85 At Astatine • 127	86 Rn Radon • 120				
87 Fr Francium N/A	88 Ra Radium N/A		104 Rf Rutherfordium N/A	105 Db Dubnium N/A	106 Sg Seaborgium N/A	107 Bh Bohrium N/A	108 Hs Hassium N/A	109 Mt Meitnerium N/A	110 Ds Darmstadtium N/A	111 Rg Roentgenium N/A	112 Cn Copernicium N/A	113 Nh Nihonium N/A	114 Fl Flerovium N/A	115 Mc Moscovium N/A	116 Lv Livermorium N/A	117 Ts Tennessine N/A	118 Og Oganesson N/A				

Atomic radius increases ↓

atomic number

28

chemical symbol

Ni

name

Nickel

relative atom size

atomic radius in picometers (pm)

atomic radius (calculated) computed from theoretical models

149

Lanthanide Series

Actinide Series

57 La Lanthanum • 195	58 Ce Cerium • 185	59 Pr Praseodymium • 247	60 Nd Neodymium • 206	61 Pm Promethium • 205	62 Sm Samarium • 238	63 Eu Europium • 231	64 Gd Gadolinium • 233	65 Tb Terbium • 225	66 Dy Dysprosium • 228	67 Ho Holmium • 226	68 Er Erbium • 226	69 Tm Thulium • 222	70 Yb Ytterbium • 222	71 Lu Lutetium • 217
89 Ac Actinium N/A	90 Th Thorium N/A	91 Pa Protactinium N/A	92 U Uranium N/A	93 Np Neptunium N/A	94 Pu Plutonium N/A	95 Am Americium N/A	96 Cm Curium N/A	97 Bk Berkelium N/A	98 Cf Californium N/A	99 Es Einsteinium N/A	100 Fm Fermium N/A	101 Md Mendelevium N/A	102 No Nobelium N/A	103 Lr Lawrencium N/A