Periodic Table of the Elements

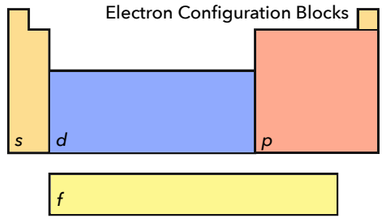
Note: The relative atomic mass is taken from the IUPAC 2016 standard atomic weights and takes 4 significant digits.

black=solid green=liquid
red=gas gray=unknown

Atomic Number — 26
Symbol — Fe
black=Normal
red=Radioactive decay
Name — Iron
black=Primordial
red=Synthetic
Electron configuration — $3d^6 4s^2$
Atomic mass — 55.85

- Alkali metal
- Alkaline earth metal
- Other metal
- Transition metal
- Lanthanide
- Actinide
- Metalloid
- Nonmetal
- Halogen
- Noble gas
- Unknown chemical properties

Electron Configuration Blocks



version 1.1 EN
by 247 687 907
present by LTG

Period	Group 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 H $1s^1$ 1.008 Hydrogen																	2 He $1s^2$ 4.003 Helium
2	3 Li $2s^1$ 6.941 Lithium	4 Be $2s^2$ 9.012 Beryllium											5 B $2s^2 2p^1$ 10.81 Boron	6 C $2s^2 2p^2$ 12.01 Carbon	7 N $2s^2 2p^3$ 14.01 Nitrogen	8 O $2s^2 2p^4$ 16.00 Oxygen	9 F $2s^2 2p^5$ 19.00 Fluorine	10 Ne $2s^2 2p^6$ 20.18 Neon
3	11 Na $3s^1$ 22.99 Sodium	12 Mg $3s^2$ 24.31 Magnesium											13 Al $3s^2 3p^1$ 26.98 Aluminium	14 Si $3s^2 3p^2$ 28.09 Silicon	15 P $3s^2 3p^3$ 30.97 Phosphorus	16 S $3s^2 3p^4$ 32.06 Sulfur	17 Cl $3s^2 3p^5$ 35.45 Chlorine	18 Ar $3s^2 3p^6$ 39.95 Argon
4	19 K $4s^1$ 39.10 Potassium	20 Ca $4s^2$ 40.08 Calcium	21 Sc $3d^1 4s^2$ 44.96 Scandium	22 Ti $3d^2 4s^2$ 47.87 Titanium	23 V $3d^3 4s^2$ 50.94 Vanadium	24 Cr $3d^5 4s^1$ 52.00 Chromium	25 Mn $3d^5 4s^2$ 54.94 Manganese	26 Fe $3d^6 4s^2$ 55.85 Iron	27 Co $3d^7 4s^2$ 58.93 Cobalt	28 Ni $3d^8 4s^2$ 58.69 Nickel	29 Cu $3d^{10} 4s^1$ 63.55 Copper	30 Zn $3d^{10} 4s^2$ 65.38 Zinc	31 Ga $4s^2 4p^1$ 69.72 Gallium	32 Ge $4s^2 4p^2$ 72.63 Germanium	33 As $4s^2 4p^3$ 74.92 Arsenic	34 Se $4s^2 4p^4$ 78.96 Selenium	35 Br $4s^2 4p^5$ 79.90 Bromine	36 Kr $4s^2 4p^6$ 83.80 Krypton
5	37 Rb $5s^1$ 85.47 Rubidium	38 Sr $5s^2$ 87.62 Strontium	39 Y $4d^1 5s^2$ 88.91 Yttrium	40 Zr $4d^2 5s^2$ 91.22 Zirconium	41 Nb $4d^4 5s^1$ 92.91 Niobium	42 Mo $4d^5 5s^1$ 95.96 Molybdenum	43 Tc $4d^5 5s^2$ [98] Technetium	44 Ru $4d^7 5s^1$ 101.1 Ruthenium	45 Rh $4d^8 5s^1$ 102.9 Rhodium	46 Pd $4d^{10}$ 106.4 Palladium	47 Ag $4d^{10} 5s^1$ 107.9 Silver	48 Cd $4d^{10} 5s^2$ 112.4 Cadmium	49 In $5s^2 5p^1$ 114.8 Indium	50 Sn $5s^2 5p^2$ 118.7 Tin	51 Sb $5s^2 5p^3$ 121.8 Antimony	52 Te $5s^2 5p^4$ 127.6 Tellurium	53 I $5s^2 5p^5$ 126.9 Iodine	54 Xe $5s^2 5p^6$ 131.3 Xenon
6	55 Cs $6s^1$ 132.9 Caesium	56 Ba $6s^2$ 137.3 Barium	57~71 La~Lu Lanthanide	72 Hf $5d^2 6s^2$ 178.5 Hafnium	73 Ta $5d^3 6s^2$ 180.9 Tantalum	74 W $5d^4 6s^2$ 183.8 Tungsten	75 Re $5d^5 6s^2$ 186.2 Rhenium	76 Os $5d^6 6s^2$ 190.2 Osmium	77 Ir $5d^7 6s^2$ 192.2 Iridium	78 Pt $5d^9 6s^1$ 195.1 Platinum	79 Au $5d^{10} 6s^1$ 197.0 Gold	80 Hg $5d^{10} 6s^2$ 200.6 Mercury	81 Tl $6s^2 6p^1$ 204.4 Thallium	82 Pb $6s^2 6p^2$ 207.2 Lead	83 Bi $6s^2 6p^3$ 209.0 Bismuth	84 Po $6s^2 6p^4$ [209] Polonium	85 At $6s^2 6p^5$ [210] Astatine	86 Rn $6s^2 6p^6$ [222] Radon
7	87 Fr $7s^1$ [223] Francium	88 Ra $7s^2$ [226] Radium	89~103 Ac~Lr Actinide	104 Rf $6d^2 7s^2$ [265] Rutherfordium	105 Db $6d^3 7s^2$ [268] Dubnium	106 Sg $6d^4 7s^2$ [271] Seaborgium	107 Bh $6d^5 7s^2$ [270] Bohrium	108 Hs $6d^6 7s^2$ [277] Hassium	109 Mt $6d^7 7s^2$ [276] Meitnerium	110 Ds $6d^8 7s^2$ [281] Darmstadtium	111 Rg $6d^9 7s^2$ [280] Roentgenium	112 Cn $6d^{10} 7s^2$ [285] Copernicium	113 Nh $6d^{10} 7s^2 7p^1$ [284] Nihonium	114 Fl $7s^2 7p^2$ [289] Flerovium	115 Mc $7s^2 7p^3$ [288] Moscovium	116 Lv $7s^2 7p^4$ [293] Livermorium	117 Ts $7s^2 7p^5$ [294] Tennessine	118 Og $7s^2 7p^6$ [294] Oganesson

Lanthanide	57 La $5d^1 6s^2$ 138.9 Lanthanum	58 Ce $4f^1 5d^1 6s^2$ 140.1 Cerium	59 Pr $4f^3 6s^2$ 140.9 Praseodymium	60 Nd $4f^4 6s^2$ 144.2 Neodymium	61 Pm $4f^5 6s^2$ [145] Promethium	62 Sm $4f^6 6s^2$ 150.4 Samarium	63 Eu $4f^7 6s^2$ 152.0 Europium	64 Gd $4f^7 5d^1 6s^2$ 157.3 Gadolinium	65 Tb $4f^9 6s^2$ 158.9 Terbium	66 Dy $4f^{10} 6s^2$ 162.5 Dysprosium	67 Ho $4f^{11} 6s^2$ 164.9 Holmium	68 Er $4f^{12} 6s^2$ 167.3 Erbium	69 Tm $4f^{13} 6s^2$ 168.9 Thulium	70 Yb $4f^{14} 6s^2$ 173.1 Ytterbium	71 Lu $4f^{14} 5d^1 6s^2$ 175.0 Lutetium
Actinide	89 Ac $6d^1 7s^2$ [227] Actinium	90 Th $6d^2 7s^2$ 232.0 Thorium	91 Pa $5f^2 6d^1 7s^2$ 231.0 Protactinium	92 U $5f^3 6d^1 7s^2$ 238.0 Uranium	93 Np $5f^4 6d^1 7s^2$ [237] Neptunium	94 Pu $5f^6 7s^2$ [244] Plutonium	95 Am $5f^7 7s^2$ [243] Americium	96 Cm $5f^7 6d^1 7s^2$ [247] Curium	97 Bk $5f^9 7s^2$ [247] Berkelium	98 Cf $5f^{10} 7s^2$ [251] Californium	99 Es $5f^{11} 7s^2$ [252] Einsteinium	100 Fm $5f^{12} 7s^2$ [257] Fermium	101 Md $5f^{13} 7s^2$ [258] Mendelevium	102 No $5f^{14} 7s^2$ [259] Nobelium	103 Lr $5f^{14} 7s^2 7p^1$ [262] Lawrencium