

Elements of the Periodic Table

M P M N T D D P H P L O E S E N A G N A M D Y X
L U K U U I K B M G C S C M U I D N A C S O H E
G M I J I N N U K I F M D D F T Q L D X G I I U
M H C S B S I O N Y J R X U P C O P P E R X G F
N I I S S L E E R V P V X C W L I T H I U M B N
I I E E L A S N V O I T I T A N I U M R C G M A
W P C Y A R T Y G C B G G U N J N J E C O E U L
D K R K A C L O X A S H R W W G M O D R T R I U
D E L D E G O P P R M U I N E L E S C Z E M D M
B V M X H L M V O G G F S D Y T Q O Q I P A O I
A L D M G M R S C O D G L N D U H S X Y L N S N
K S E U I N O E N N H L W E T T E P O N T I V U
F B K I G A L L I U M Q R G F E A K F P E U S M
N R O M U Z D Q S U N W C O B O V O I H S M F N
J O B O E Y G K I W I P N R Y U E Z P O P Z L O
C M Q R N V R L S W M H I D Q G N Y D S J Z M R
T I U H M Y E T P M U R Z Y Y P I L Y P R C U I
X N S C P H U L T N I T K H F Q R F B H O A I S
W E K T P N F A M D C I H S H V O O T O N R D U
Z T O A O O C B E W L R N U F M L S M R J B A L
D N H G G R Z O P K A U Q S Y G H I P U G O N F
J F K F I V T C W G C O T V E E C V Q S J N A U
E Y N I T R O G E N S O X Y G E N I W B H J V R
Y U G S O E U Y E N I R O U L F C S Z S L W Y O

Group →1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
↓Period
1 1 H 2 He
2 3 Li 4 Be 5 B 6 C 7 N 8 O 9 F 10 Ne
3 11 Na 12 Mg 13 Al 14 Si 15 P 16 S 17 Cl 18 Ar
4 19 K 20 Ca 21 Sc 22 Ti 23 V 24 Cr 25 Mn 26 Fe 27 Co 28 Ni 29 Cu 30 Zn 31 Ga 32 Ge 33 As 34 Se 35 Br 36 Kr
5 37 Rb 38 Sr 39 Y 40 Zr 41 Nb 42 Mo 43 Tc 44 Ru 45 Rh 46 Pd 47 Ag 48 Cd 49 In 50 Sn 51 Sb 52 Te 53 I 54 Xe
6 55 Cs 56 Ba 72 Hf 73 Ta 74 W 75 Re 76 Os 77 Ir 78 Pt 79 Au 80 Hg 81 Tl 82 Pb 83 Bi 84 Po 85 At 86 Rn
7 87 Fr 88 Ra 104 Rf 105 Db 106 Sg 107 Bh 108 Hs 109 Mt 110 Ds 111 Rg 112 Cn 113 Uut 114 Fl 115 Uup 116 Lv 117 Uus 118 Uuo

Lanthanides 57 La 58 Ce 59 Pr 60 Nd 61 Pm 62 Sm 63 Eu 64 Gd 65 Tb 66 Dy 67 Ho 68 Er 69 Tm 70 Yb 71 Lu
Actinides 89 Ac 90 Th 91 Pa 92 U 93 Np 94 Pu 95 Am 96 Cm 97 Bk 98 Cf 99 Es 100 Fm 101 Md 102 No 103 Lr

Phosphorus
Germanium
Beryllium
Magnesium
Manganese
Potassium
Selenium
Aluminum
Chlorine
Chromium
Fluorine
Hydrogen
Nitrogen
Scandium
Titanium
Vanadium
Krypton
Bromine
Arsenic
Calcium
Gallium
Lithium
Silicon
Carbon
Cobalt
Copper
Helium
Nickel
Oxygen
Sodium
Sulfur
Argon
Boron
Iron
Neon
Zinc