

1



Hydrogen

2



Helium

3



Lithium

4



Beryllium

He

H

Be

Li

5



Boron

6



Carbon

7



Nitrogen

8



Oxygen

C

B

O

N

9



Fluorine

10



Neon

11



Sodium

12



Magnesium

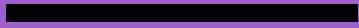
Ne

F

Mg

Na

13



Aluminium

14



Silicon

15



Phosphorus

16



Sulfur

Si

Al

S

P

17



Chlorine

18



Argon

19



Potassium

20



Calcium

Ar

Cl

Ca

K

21



Scandium

22



Titanium

23



Vanadium

24



Chromium

Ti

Sc

Cr

V

25



Manganese

26



Iron

27



Cobalt

28



Nickel

Fe

Mn

Ni

Co

29



Copper

30



Zinc

31



Gallium

32



Germanium

Zn

Cu

Ge

Ga

33



Arsenic

34



Selenium

35



Bromine

36



Krypton

Se

As

Kr

Br

37



Rubidium

38



Strontium

39



Yttrium

40



Zirconium

Sr

Rb

Zr

Y

41



Niobium

42



Molybdenum

43



Technetium

44



Ruthenium

Mo

Nb

Ru

Tc

45



Rhodium

46



Palladium

47



Silver

48



Cadmium

Pd

Rh

Cd

Ag

49



Indium

50



Tin

51



Antimony

52



Tellurium

Sn

In

Te

Sb

53



Iodine

54



Xenon

55



Caesium

56



Barium

Xe

I

Ba

Cs

57



Lanthanum

58



Cerium

59



Praseodymium

60



Neodymium

Ce

La

Nd

Pr

61



Promethium

62



Samarium

63



Europium

64



Gadolinium

Sm

Pm

Gd

Eu

65



Terbium

66



Dysprosium

67



Holmium

68



Erbium

Dy

Tb

Er

Ho

69



Thulium

70



Ytterbium

71



Lutetium

72



Hafnium

Yb

Tm

Hf

Lu

73



Tantalum

74



Tungsten

75



Rhenium

76



Osmium

W

Ta

Os

Re

77



Iridium

78



Platinum

79



Gold

80



Mercury

Pt

Ir

Hg

Au

81



Thallium

82



Lead

83



Bismuth

84



Polonium

Pb

Tl

Po

Bi

85



Astatine

86



Radon

87



Francium

88



Radium

Rn

At

Ra

Fr

89



Actinium

90



Thorium

91



Protactinium

92



Uranium

Th

Ac

U

Pa

93



Neptunium

94



Plutonium

95



Americium

96



Curium

Pu

Np

Cm

Am

97



Berkelium

98



Californium

99



Einsteinium

100



Fermium

Cf

Bk

Fm

Es

101



Mendelevium

102



Nobelium

103



Lawrencium

104



Rutherfordium

No

Md

Rf

Lr

105



Dubnium

106



Seaborgium

107



Bohrium

108



Hassium

Sg

Db

Hs

Bh

109



Meitnerium

110



Darmstadtium

111



Roentgenium

112



Copernicium

Ds

Mt

Cn

Rg

113



?

114



Flerovium

115



?

116



Livermorium

F1

?

Lv

?

117

?

?

118

?

?

atomic number

symbol

name

?

?

1

H

2

He

3

Li

4

Be

Hydrogen

Helium

Beryllium

Lithium

5

B



6

C



7

N



8

O



Carbon

Boron

Oxygen

Nitrogen

9

F

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17

Cl

18

Ar

19

K

20

Ca

Argon

Chlorine

Calcium

Potassium

21

Sc

22

Ti

23

V

24

Cr

Titanium

Scandium

Chromium

Vanadium

25

Mn

26

Fe

27

Co

28

Ni

Iron

Manganese

Nickel

Cobalt

29

Cu

30

Zn

31

Ga

32

Ge

Zinc

Copper

Germanium

Gallium

33

As

34

Se

35

Br

36

Kr

Selenium

Arsenic

Krypton

Bromine

37

Rb

38

Sr

39

Y

40

Zr

Strontium

Rubidium

Zirconium

Yttrium

41

Nb

42

Mo

43

Tc

44

Ru

Molybdenum

Niobium

Ruthenium

Technetium

45

Rh

46

Pd

47

Ag

48

Cd

Palladium

Rhodium

Cadmium

Silver

49

In

50

Sn

51

Sb

52

Te

Tin

Indium

Tellurium

Antimony

53

I

54

Xe

55

Cs

56

Ba

Xenon

Iodine

Barium

Caesium

57

La

58

Ce

59

Pr

60

Nd

Cerium

Lanthanum

Neodymium

Praseodymium

61

Pm

62

Sm

63

Eu

64

Gd

Samarium

Promethium

Gadolinium

Europium

65

Tb

66

Dy

67

Ho

68

Er

Dysprosium

Terbium

Erbium

Holmium

69

Tm

70

Yb

71

Lu

72

Hf

Ytterbium

Thulium

Hafnium

Lutetium

73

T *a*

74

W

75

R *e*

76

O *s*

Tungsten

Tantalum

Osmium

Rhenium

77

Ir

78

Pt

79

Au

80

Hg

Platinum

Iridium

Mercury

Gold

81

Tl

82

Pb

83

Bi

84

Po

Lead

Thallium

Polonium

Bismuth

85

At

86

Rn

87

Fr

88

Ra

Radon

Astatine

Radium

Francium

89

Ac

90

Th

91

Pa

92

U

Thorium

Actinium

Uranium

Protactinium

93

Np

94

Pu

95

Am

96

Cm

Plutonium

Neptunium

Curium

Americium

97

Bk

98

Cf

99

Es

100

Fm

Californium

Berkelium

Fermium

Einsteinium

101

Md

102

No

103

Lr

104

Rf

Nobelium

Mendelevium

Rutherfordium

Lawrencium

105

D b

106

S g

107

B h

108

H s

Seaborgium

Dubnium

Hassium

Bohrium

109

Mt

110

Ds

111

Rg

112

Cn

Darmstadtium

Meitnerium

Copernicium

Roentgenium

113

?

?

114

F1

115

?

?

116

Lv

Flerovium

?

Livermorium

?

117

?

?

118

?

?

atomic number

symbol

name

?

?

