

THE PERIODIC TABLE OF THE ELEMENTS

IUPAC:	1	2
traditional:	IA	IIA

3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IIIB	IVB	VB	VIB	VIIB	VIII B			IB	IIB	IIIA	IVA	VA	VIA	VIIA	VIIIA

1

atomic number

1

symbol

H

atomic mass

1.008

2

He

4.003

3

Li

6.941

4

Be

9.012

5

B

10.81

6

C

12.01

7

N

14.01

8

O

16.00

9

F

19.00

10

Ne

20.18

11

Na

22.99

12

Mg

24.30

13

Al

26.98

14

Si

28.09

15

P

30.97

16

S

32.06

17

Cl

35.45

18

Ar

39.95

19

K

39.10

20

Ca

40.08

21

Sc

44.96

22

Ti

47.87

23

V

50.94

24

Cr

52.00

25

Mn

54.94

26

Fe

55.84

27

Co

58.93

28

Ni

58.69

29

Cu

63.55

30

Zn

65.41

31

Ga

69.72

32

Ge

72.64

33

As

74.92

34

Se

78.96

35

Br

79.90

36

Kr

83.80

37

Rb

85.47

38

Sr

87.62

39

Y

88.91

40

Zr

91.22

41

Nb

92.91

42

Mo

95.94

43

Tc

[97.91]

44

Ru

101.1

45

Rh

102.9

46

Pd

106.4

47

Ag

107.9

48

Cd

112.4

49

In

114.8

50

Sn

118.7

51

Sb

121.8

52

Te

127.6

53

I

126.9

54

Xe

131.3

55

Cs

132.9

56

Ba

137.3

57

La

138.91

58

Ce

140.12

59

Pr

140.91

60

Nd

144.24

61

Pm

[144.91]

62

Sm

150.36

63

Eu

151.96

64

Gd

157.25

65

Tb

158.93

66

Dy

162.50

67

Ho

164.93

68

Er

167.26

69

Tm

168.93

70

Yb

173.05

71

Lu

174.97

72

Hf

178.49

73

Ta

180.95

74

W

183.84

75

Re

186.21

76

Os

190.23

77

Ir

192.22

78

Pt

195.08

79

Au

196.97

80

Hg

200.59

81

Tl

204.38

82

Pb

207.2

83

Bi

208.98

84

Po

[209]

85

At

[210]

86

Rn

[222]

87

Fr

[223]

88

Ra

[226]

89

Ac

[227]

90

Th

[232]

91

Pa

[231]

92

U

[238]

93

Np

[237]

94

Pu

[244]

95

Am

[243]

96

Cm

[247]

97

Bk

[247]

98

Cf

[251]

99

Es

[252]

100

Fm

[257]

101

Mn

[258]

102

Sg

[266]

103

Lr

[262]

104

Rf

[261]

105

Db

[262]

106

Sg

[266]

107

Bh

[264]

108

Hs

[277]

109

Mt

[268]

110

Ds

[281]

111

Rg

[272]

112

Uub

[285]

113

Uut

[284]

114

Uuq

[289]

115

Uup

[288]

116

Uuh

[292]

117

Uus

[294]

118

Uuo

[294]

119

Uue

[289]

120

Ubn

[289]

lanthanides

(below)

actinides

(below)

6	lanthanides	57 La 138.9	58 Ce 140.1	59 Pr 140.9	60 Nd 144.2	61 Pm [144.9]	62 Sm 150.4	63 Eu 152.0	64 Gd 157.2	65 Tb 158.9	66 Dy 162.5	67 Ho 164.9	68 Er 167.3	69 Tm 168.9	70 Yb 173.0
7	actinides	89 Ac [227.0]	90 Th 232.0	91 Pa 231.0	92 U 238.0	93 Np [237.0]	94 Pu [244.1]	95 Am [243.1]	96 Cm [247.1]	97 Bk [247.1]	98 Cf [251.1]	99 Es [252.1]	100 Fm [257.1]	101 Md [258.1]	102 No [259.1]

Values for atomic masses in brackets are the atomic masses of the most stable isotopes. Element symbols without an atomic mass have not yet been synthesized.