

Periodic Table of the Elements

Period
1
1
H

KEY

Atomic Mass → 12.011

Symbol → **C**

Atomic Number → 6

Electron Configuration → 2-4

←

Selected Oxidation States
+4
+2
+4

Relative atomic masses are based on $^{12}\text{C} = 12$ (exact)

Note: Numbers in parentheses are mass numbers of the most stable or common isotope.

18
2
10
He

Group												Group					
1	2											13	14	15	16	17	18
2 Li 6.941	10 Ne 19.992											5 B 10.811	6 C 12.011	7 N 14.007	8 O 15.999	9 F 18.998	10 Ar 39.948
3 Na 22.990	12 Mg 24.305											13 Al 26.982	14 Si 28.086	15 P 30.974	16 S 32.06	17 Cl 35.45	18 Kr 83.798
4 K 39.098	20 Ca 40.078	21 Sc 44.956	22 Ti 47.88	23 V 50.942	24 Cr 51.996	25 Mn 54.938	26 Fe 55.845	27 Co 58.933	28 Ni 58.69	29 Cu 63.546	30 Zn 65.38	31 Ga 69.723	32 Ge 72.64	33 As 74.922	34 Se 78.96	35 Br 79.904	36 Kr 83.798
5 Rb 85.468	38 Sr 87.62	39 Y 88.906	40 Zr 91.224	41 Nb 92.906	42 Mo 95.94	43 Tc (98)	44 Ru 101.07	45 Rh 102.91	46 Pd 106.42	47 Ag 107.87	48 Cd 112.41	49 In 114.82	50 Sn 118.71	51 Sb 121.76	52 Te 127.6	53 I 126.91	54 Xe 131.29
6 Cs 132.91	56 Ba 137.33	57 La 138.91	58 Hf 178.49	59 Ta 180.95	60 W 183.84	61 Re 186.21	62 Os 190.23	63 Ir 192.22	64 Pt 195.08	65 Au 196.97	66 Hg 200.59	67 Tl 204.38	68 Pb 207.2	69 Bi 208.98	70 Po (209)	71 At (210)	72 Rn (222)
7 Fr (223)	88 Ra (226)	89 Ac (227)	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Ds	111 Rg	112 Cn	113** Uut	114 Uuq	115 Uup	116 Uuh	117 Uus	118 Uuo
<div style="display: flex; justify-content: space-between;"><div style="width: 10%;">Ce 58</div><div style="width: 10%;">Pr 59</div><div style="width: 10%;">Nd 60</div><div style="width: 10%;">Pm 61</div><div style="width: 10%;">Sm 62</div><div style="width: 10%;">Eu 63</div><div style="width: 10%;">Gd 64</div><div style="width: 10%;">Tb 65</div><div style="width: 10%;">Dy 66</div><div style="width: 10%;">Ho 67</div><div style="width: 10%;">Er 68</div><div style="width: 10%;">Tm 69</div><div style="width: 10%;">Yb 70</div><div style="width: 10%;">Lu 71</div></div>																	
<div style="display: flex; justify-content: space-between;"><div style="width: 10%;">Th 90</div><div style="width: 10%;">Pa 91</div><div style="width: 10%;">U 92</div><div style="width: 10%;">Np 93</div><div style="width: 10%;">Pu 94</div><div style="width: 10%;">Am 95</div><div style="width: 10%;">Cm 96</div><div style="width: 10%;">Bk 97</div><div style="width: 10%;">Cf 98</div><div style="width: 10%;">Es 99</div><div style="width: 10%;">Fm 100</div><div style="width: 10%;">Md 101</div><div style="width: 10%;">No 102</div><div style="width: 10%;">Lr 103</div></div>																	

Period

1

1

1.008

H

1

Group

1

2

3

6.941

Li

3

4

9.012

Be

4

KEY

Atomic Mass → 12.011

Symbol → C

Atomic Number → 6

Electron Configuration → 2-4

Selected Oxidation States

+4
+2
+4

Relative atomic masses are based on ¹²C = 12 (exact)

Note: Numbers in parentheses are mass numbers of the most stable or common isotope.

Group

13

14

15

16

17

18

5

10.81

B

5

6

12.011

C

6

7

14.007

N

7

8

15.999

O

8

9

18.998

F

9

10

20.180

Ne

10

Group

3

4

5

6

7

8

9

10

11

12

13

26.982

Al

13

14

28.086

Si

14

15

30.974

P

15

16

32.06

S

16

17

35.45

Cl

17

18

39.948

Ar

18

Group

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

39.098

K

19

20

40.078

Ca

20

21

44.956

Sc

21

22

47.88

Ti

22

23

50.942

V

23

24

51.996

Cr

24

25

54.938

Mn

25

26

55.845

Fe

26

27

58.933

Co

27

28

58.69

Ni

28

29

63.546

Cu

29

30

65.38

Zn

30

31

69.723

Ga

31

32

72.64

Ge

32

33

74.922

As

33

34

78.96

Se

34

35

79.904

Br

35

36

83.80

Kr

36

Group

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

37

85.468

Rb

37

38

87.62

Sr

38

39

88.906

Y

39

40

91.224

Zr

40

41

92.906

Nb

41

42

95.94

Mo

42

43

98

Tc

43

44

101.07

Ru

44

45

102.91

Rh

45

46

106.42

Pd

46

47

107.87

Ag

47

48

112.41

Cd

48

49

114.82

In

49

50

118.71

Sn

50

51

121.76

Sb

51

52

127.6

Te

52

53

126.91

I

53

54

131.29

Xe

54

Group

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

55

132.91

Cs

55

56

137.33

Ba

56

57

138.905

La

57

58

178.49

Hf

58

59

180.948

Ta

59

60

183.84

W

60

61

186.21

Re

61

62

190.23

Os

62

63

192.22

Ir

63

64

195.08

Pt

64

65

196.967

Au

65

66

200.59

Hg

66

67

204.38

Tl

67

68

207.2

Pb

68

69

208.98

Bi

69

70

209

Po

70

71

210

At

71

72

222

Rn

72

Group

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

73

223

Fr

73

74

226

Ra

74

75

227

Ac

75

76

228

Rf

76

77

261

Db

77

78

263

Sg

78

79

265

Bh

79

80

267

Hs

80

81

271

Mt

81

82

272

Ds

82

83

273

Rg

83

84

277

Cn

84

85

285

Uut

85

86

289

Uuq

86

87

293

Uup

87

88

297

Uuh

88

89

301

Uus

89

90

304

Uuo

90

Group

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

79

158.91

Ce

79

80

140.91

Pr

80

81

140.91

Nd

81

82

140.91

Pm

82

83

150.36

Sm

83

84

151.96

Eu

84

85

158.93

Gd

85

86

158.93

Tb

86

87

158.93

Dy

87

88

158.93

Ho

88

89

158.93

Er

89

90

158.93

Tm

90

91

158.93

Yb

91

92

158.93

Lu

92

Group

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

93

232.04

Th

93

94

231.04

Pa

94

95

238.03

U

95

96

237.05

Np

96

97

244.06

Pu

97

98

243.06

Am

98

99

247.07

Cm

99

100

247.08

Bk

100

101

250.11

Cf

101

102

252.08

Es

102

103

252.08

Fm

103

104

259.10

Md

104

105

259.10

No

105

106

262.11

Lr

106

Periodic Table Reference Sheet

Camilla Rothe

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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Table of Contents Periodic Table Reference Sheet

1. Understanding the eBook Periodic Table Reference Sheet
 - The Rise of Digital Reading Periodic Table Reference Sheet
 - Advantages of eBooks Over Traditional Books
2. Identifying Periodic Table Reference Sheet
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Periodic Table Reference Sheet
 - User-Friendly Interface
4. Exploring eBook Recommendations from Periodic Table Reference Sheet
 - Personalized Recommendations
 - Periodic Table Reference Sheet User Reviews and Ratings
 - Periodic Table Reference Sheet and Bestseller Lists
5. Accessing Periodic Table Reference Sheet Free and Paid eBooks
 - Periodic Table Reference Sheet Public Domain eBooks
 - Periodic Table Reference Sheet eBook Subscription Services
 - Periodic Table Reference Sheet Budget-Friendly Options
6. Navigating Periodic Table Reference Sheet eBook Formats

- ePub, PDF, MOBI, and More
- Periodic Table Reference Sheet Compatibility with Devices
- Periodic Table Reference Sheet Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Periodic Table Reference Sheet
 - Highlighting and Note-Taking Periodic Table Reference Sheet
 - Interactive Elements Periodic Table Reference Sheet
- 8. Staying Engaged with Periodic Table Reference Sheet
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Periodic Table Reference Sheet
- 9. Balancing eBooks and Physical Books Periodic Table Reference Sheet
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Periodic Table Reference Sheet
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Periodic Table Reference Sheet
 - Setting Reading Goals Periodic Table Reference Sheet
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Periodic Table Reference Sheet
 - Fact-Checking eBook Content of Periodic Table Reference Sheet
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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