

ChemGlobe - Periodic Table of Elements

<http://chemglobe.org/periodictable>

1

1A

1

1.01

1s
1,-1

H

-259
-253

0.09
2.1

2

2A

3

6.94

[He] 2s
1

Li

181
1330

0.53
1.0

12

24.31

[Ne] 3s
2

Be

1277
2970

1.85
1.5

11

22.99

[Ne] 3s
1

Na

892

0.97
0.9

650
1107

1.74
1.2

3

3A

4

4A

5

5A

6

6A

7

7A

8

8

8

8

9

8

10

8

11

1B

12

2B

13

3B

14

4B

15

5B

16

6B

17

7B

18

0

2

4.00

1s²

He

-269

0.18

10

20.18

[He] 2s² 2p⁶

Ne

-249
-246

0.9
-

9

19.00

[He] 2s² 2p⁵
-1

F

-220
-188

1.7
4.0

8

16.00

[He] 2s² 2p⁴
-2,-1

O

-219
-183

1.43
3.5

7

14.01

[He] 2s² 2p³
5,4,3,2,-3

N

-210
-196

1.25
3.0

6

12.01

[He] 2s² 2p²
4,2,-4

C

(3550)
4830

2.2
2.5

5

10.81

[He] 2s² 2p
3

B

(2030)
2550

2.35
2.0

4

9.01

[He] 2s²

2

2140
5030

11.5
1.9

Tc

43 (98.91)

[Kr] 4d⁶ 5s
7

Atomic number

Atomic mass (mean relative)

Electron configuration

Oxydation states

Symbol

Melting point [°C]

Boiling point [°C]

Density [g/cm³], for gases [g/l] (0°C,1013mbar)

Electronegativity

Radioactive

19

39.10

[Ar] 4s
1

K

64
760

0.86
0.8

20

40.08

[Ar] 4s²
2

Ca

838
1440

1.55
1.0

21

44.96

[Ar] 3d 4s²
3

Sc

1539
2730

3.0
1.3

22

47.88

[Ar] 3d² 4s²
4,3

Ti

1668
3260

4.54
1.5

23

50.94

[Ar] 3d³ 4s²
5,4,3,2,0

V

1900
3450

6.1
1.5

24

52.00

[Ar] 3d⁵ 4s
6,3,2,0

Cr

1875
2200

7.19
1.6

25

54.94

[Ar] 3d⁵ 4s¹
7,6,4,3,2,0,-1

Mn

1245
2097

7.43
1.5

26

55.85

[Ar] 3d⁶ 4s²
6,3,2,0,-2

Fe

1536
3000

7.86
1.8

27

58.93

[Ar] 3d⁷ 4s²
3,2,0,-1

Co

1495
2900

8.9
1.9

28

58.70

[Ar] 3d⁸ 4s²
3,2,0

Ni

1453
2730

8.9
1.9

29

63.55

[Ar] 3d¹⁰ 4s
2,1

Cu

1083
2595

8.96
1.9

30

65.38

[Ar] 3d¹⁰ 4s²
2

Zn

420
906

7.13
1.6

31

69.72

[Ar] 3d¹⁰ 4s² 4p
3

Ga

30
2237

5.91
1.6

32

72.59

[Ar] 3d¹⁰ 4s² 4p²
4

Ge

937
2830

5.32
1.8

33

74.91

[Ar] 3d¹⁰ 4s² 4p³
5,3,-3

As

Subl.
-

5.72
2.0

34

78.96

[Ar] 3d¹⁰ 4s² 4p⁴
6,4,-2

Se

217
685

4.79
2.4

35

79.90

[Ar] 3d¹⁰ 4s² 4p⁵
7,5,3,1,-1

Br

-7
58

3.12
2.8

36

83.80

[Ar] 3d¹⁰ 4s² 4p⁶

Kr

-157
-152

3.7
-

37

85.47

[Kr] 5s
1

Rb

39
688

1.53
0.8

38

87.62

[Kr] 5s²
2

Sr

768
1380

2.6
1.0

39

88.91

[Kr] 4d 5s²
3

Y

1509
2927

4.47
1.2

40

91.22

[Kr] 4d² 5s²
4

Zr

1852
3580

6.49
1.4

41

92.92

[Kr] 4d⁴ 5s
5,3

Nb

2468
4927

8.57
1.6

42

95.94

[Kr] 4d⁵ 5s
6,5,4,3,2,0

Mo

2610
5560

10.2
1.8

43

(98.91)

[Kr] 4d⁶ 5s
7

Tc

2140
5030

11.5
1.9

44

101.07

[Kr] 4d⁷ 5s
8,6,4,3,2,0,-2

Ru

2500
3900

12.4
2.2

45

102.91

[Kr] 4d⁸ 5s
5,4,3,1,2,0

Rh

1966
3730

12.4
2.2

46

106.42

[Kr] 4d¹⁰
4,2,0

Pd

1552
3140

12.0
2.2

47

107.87

[Kr] 4d¹⁰ 5s
2,1

Ag

961
2210

10.5
1.9

48

112.41

[Kr] 4d¹⁰ 5s²
2

Cd

321
765

8.65
1.7

49

114.82

[Kr

6	Lanthanoids	57	138.91	58	140.12	59	140.91	60	144.24	61	(145)	62	150.36	63	151.96	64	157.25	65	158.93	66	162.50	67	164.93	68	167.26	69	168.93	70	173.04
		[Xe] 4f ⁰ 6s ² 3	[Xe] 4f ¹ 6s ² 4,3	[Xe] 4f ¹ 6s ² 4,3	[Xe] 4f ¹ 6s ² 3	[Xe] 4f ¹ 6s ² 3	[Xe] 4f ¹ 6s ² 3,2	[Xe] 4f ¹ 6s ² 3,2	[Xe] 4f ¹ 5d 6s ² 3	[Xe] 4f ¹ 6s ² 4,3	[Xe] 4f ¹⁰ 6s ² 3	[Xe] 4f ¹¹ 6s ² 3	[Xe] 4f ¹² 6s ² 3	[Xe] 4f ¹³ 6s ² 3,2	[Xe] 4f ¹⁴ 6s ² 3,2														
		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb														
		920 6.17 3470 1.1	795 6.67 3468 1.1	935 6.77 3127 1.1	1024 7.00 3027 1.2	(1027) 7.22 2460 * -	1072 7.54 1790 1.2	828 5.26 1439 -	1312 7.89 3000 1.1	1356 8.27 2800 1.2	1407 8.54 2600 -	1461 8.80 2600 1.2	1497 9.05 2900 1.2	1545 9.33 1727 1.2	824 6.98 1196 1.1														
7	Actinoids	89	(227)	90	232.04	91	231.04	92	238.03	93	(237.05)	94	(244)	95	(243)	96	(247)	97	(247)	98	(251)	99	(254)	100	(257)	101	(258)	102	(259)
		[Rn] 6d 7s ² 3	[Rn] 6d ² 7s ² 4	[Rn] 5f 6d 7s ² 5,4	[Rn] 5f 6d 7s ² 6,5,4,3	[Rn] 5f 6d 7s ² 6,5,4,3	[Rn] 5f ¹ 7s ² 6,5,4,3	[Rn] 5f ¹ 7s ² 6,5,4,3	[Rn] 5f ¹ 6d 7s ² 4,3	[Rn] 5f ¹ 7s ² 4,3	[Rn] 5f ¹⁰ 7s ² 4,3	[Rn] 5f ¹¹ 7s ² 3	[Rn] 5f ¹² 7s ² 3	[Rn] 5f ¹³ 7s ² 3	[Rn] 5f ¹⁴ 7s ² 3,2														
		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No														
		1050 10.1 - * 1.1	1750 11.7 3850 * 1.3	(1230) 15.4 - * 1.4	1132 19.07 3818 * 1.4	637 19.5 3900 * 1.3	640 19.81 3235 * 1.3	994 13.7 - * 1.3	(1340) 13.51 3100 * -	- - * -	- - * -	- - * -	- - * -	- - * -	- - * -	- - * -													

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