

Tabla Periódica de los Elementos

I-A

1

1.0079

⁻¹₊₁

H

Hidrógeno

1s¹

3

6.941

⁺¹

Li

Litio

1s² 2s¹

11

22.990

⁺¹

Na

Sodio

[Ne] 3s¹

19

39.098

⁻¹₊₁

K

Potasio

[Ar] 4s¹

37

85.468

⁻¹₊₁

Rb

Rubidio

[Kr] 5s¹

55

132.91

⁻¹₊₁

Cs

Cesio

[Xe] 6s¹

87

(223)

⁺¹

Fr

Francio

[Rn] 7s¹

II-A

4

9.0122

⁺²

Be

Berilio

1s² 2s²

12

24.305

⁺²

Mg

Magnesio

[Ne] 3s²

20

40.078

⁺²

Ca

Calcio

[Ar] 4s²

38

87.62

⁺²

Sr

Estroncio

[Kr] 5s²

56

137.33

⁺²

Ba

Bario

[Xe] 6s²

88

(226)

⁺²

Ra

Radio

[Rn] 7s²

III-B

21

44.956

⁺²₊₃

Sc

Escandio

[Ar] 3d¹ 4s²

39

88.906

⁺²₊₃

Y

Itrio

[Kr] 4d¹ 5s²

57-71

178.49

⁺¹₊₂₊₃

La-Lu

Lantánidos

89-103

(261)

⁺¹₊₂₊₃

Ac-Lr

Actínidos

IV-B

22

47.867

⁺²₊₃₊₄

Ti

Titanio

[Ar] 3d² 4s²

40

91.224

⁺²₊₃₊₄

Zr

Zirconio

[Kr] 4d² 4s²

72

180.95

⁺²₊₃₊₄

Hf

Hafnio

[Xe] 4f¹⁴ 5d² 6s²

104

(261)

⁺⁴

Rf

Rutherfordio

[Rn] 5f¹⁴ 6d² 7s²

V-B

23

50.942

⁺³₊₄₊₅

V

Vanadio

[Ar] 3d³ 4s²

41

92.906

⁺³₊₄₊₅

Nb

Niobio

[Kr] 4d⁴ 5s¹

73

180.95

⁺³₊₄₊₅

Ta

Tantalio

[Xe] 4f¹⁴ 5d³ 6s²

105

(262)

⁺⁵

Db

Dubnio

[Rn] 5f¹⁴ 6d³ 7s²

VI-B

24

51.996

⁺³₊₄₊₆

Cr

Cromo

[Ar] 3d⁵ 4s¹

42

95.94

⁺³₊₄₊₆

Mo

Molibdeno

[Kr] 4d⁵ 5s¹

74

183.84

⁺³₊₄₊₆

W

Wolfranio

[Xe] 4f¹⁴ 5d⁴ 6s²

106

(266)

⁺⁶

Sg

Seaborgio

[Rn] 5f¹⁴ 6d⁴ 7s²

VII-B

25

54.938

⁺²₊₃₊₄₊₆₊₇

Mn

Manganeso

[Ar] 3d⁵ 4s²

43

96

⁺³₊₄₊₅₊₆₊₇

Tc

Tecnecio

[Kr] 4d⁵ 5s²

75

186.21

⁺²₊₃₊₄₊₅₊₆₊₇

Re

Renio

[Xe] 4f¹⁴ 5d⁵ 6s²

107

(264)

⁺⁷

Bh

Bohrio

[Rn] 5f¹⁴ 6d⁵ 7s²

VIII-B

26

55.845

⁺²₊₃₊₄₊₅₊₆₊₇

Fe

Hierro

[Ar] 3d⁶ 4s²

44

101.07

⁺²₊₃₊₄₊₅₊₆₊₇

Ru

Rutenio

[Kr] 4d⁶ 5s¹

76

190.23

⁺²₊₃₊₄₊₅₊₆₊₇

Os

Osmio

[Xe] 4f¹⁴ 5d⁶ 6s²

108

(277)

⁺⁸

Hs

Hasio

[Rn] 5f¹⁴ 6d⁶ 7s²

27

58.933

⁺³₊₄₊₅₊₆

Co

Cobalto

[Ar] 3d⁷ 4s²

45

102.91

⁺³₊₄₊₅₊₆

Rh

Rodio

[Kr] 4d⁷ 5s¹

77

192.22

⁺³₊₄₊₅₊₆

Ir

Iridio

[Xe] 4f¹⁴ 5d⁷ 6s²

109

(268)

₁₇

Mt

Meitnerio

[Rn] 5f¹⁴ 6d⁷ 7s²

28

58.693

⁺²₊₃₊₄

Ni

Níquel

[Ar] 3d⁸ 4s²

46

106.42

⁺¹₊₂₊₃₊₄₊₅₊₆

Pd

Paladio

[Kr] 4d¹⁰

78

195.08

⁺²₊₃₊₄₊₅₊₆

Pt

Platino

[Xe] 4f¹⁴ 5d⁹ 6s¹

110

(281)

₁₇

Ds

Darmstatio

[Rn] 5f¹⁴ 6d⁸ 7s²

29

63.546

⁺¹₊₂₊₃₊₄

Cu

Cobre

[Ar] 3d¹⁰ 4s¹

47

107.87

⁺¹₊₂₊₃₊₄

Ag

Plata

[Kr] 4d¹⁰ 5s¹

79

196.97

⁺¹₊₂₊₃₊₄₊₅₊₆

Au

Oro

[Xe] 4f¹⁴ 5d¹⁰ 6s¹

111

(280)

₁₇

Rg

Roentgenio

[Rn] 5f¹⁴ 6d¹⁰ 7s¹

30

65.39

⁺²₊₃

Zn

Zinc

[Ar] 3d¹⁰ 4s²

48

112.41

⁺¹₊₂₊₃

Cd

Cadmio

[Kr] 4d¹⁰ 5s²

80

200.59

⁺²₊₃₊₄

Hg

Mercurio

[Xe] 4f¹⁴ 5d¹⁰ 6s²

112

(285)

₁₇₂

Cn

Copernicio

[Rn] 5f¹⁴ 6d¹⁰ 7s²

I-B

31

69.723

⁺¹₊₂₊₃

Ga

Galio

[Ar] 3d¹⁰ 4s² 4p¹

49

114.82

⁺¹₊₂₊₃

In

Indio

[Kr] 4d¹⁰ 5s² 5p¹

81

204.38

⁺¹₊₂₊₃

Tl

Talio

[Xe] 4f¹⁴ 5d¹⁰ 6s² 6p¹

113

(284)

₁₇

Nh

Nihonio

[Rn] 5f¹⁴ 6d¹⁰ 7s² 7p¹

II-B

32

72.64

⁻⁴₊₁₊₂₊₃₊₄

Ge

Germanio

[Ar] 3d¹⁰ 4s² 4p²

50

118.71

⁻⁴₊₁₊₂₊₃₊₄

Sn

Estañio

[Kr] 4d¹⁰ 5s² 5p²

82

207.2

⁻²₊₁₊₂₊₃₊₄

Pb

Plomo

[Xe] 4f¹⁴ 5d¹⁰ 6s² 6p²

114

(289)

₁₇

Fl

Flerovio

[Rn] 5f¹⁴ 6d¹⁰ 7s² 7p²

33

74.922

⁻³₊₁₊₂₊₃₊₄₊₅

As

Arsenio

[Ar] 3d¹⁰ 4s² 4p³

51

121.76

⁻³₊₁₊₂₊₃₊₄₊₅

Sb

Antimonio

[Kr] 4d¹⁰ 5s² 5p³

83

208.98

⁻³₊₁₊₂₊₃₊₄₊₅

Bi

Bismuto

[Xe] 4f¹⁴ 5d¹⁰ 6s² 6p³

115

(288)

₁₇

Mc

Moscovio

[Rn] 5f¹⁴ 6d¹⁰ 7s² 7p³

34

78.96

⁻²₊₁₊₂₊₃₊₄₊₅₊₆

Se

Selenio

[Ar] 3d¹⁰ 4s² 4p⁴

52

127.6

⁻²₊₁₊₂₊₃₊₄₊₅₊₆

Te

Telurio

[Kr] 4d¹⁰ 5s² 5p⁴

84

(209)

₁₇₂

Po

Polonio

[Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁴

116

(293)

₁₇

Lv

Livermorio

[Rn] 5f¹⁴ 6d¹⁰ 7s² 7p⁴

35

79.904

⁻¹₊₁₊₂₊₃₊₄₊₅₊₆₊₇

Br

Bromo

[Ar] 3d¹⁰ 4s² 4p⁵

53

126.9

⁻¹₊₁₊₂₊₃₊₄₊₅₊₆₊₇

I

Yodo

[Kr] 4d¹⁰ 5s² 5p⁵

85

(210)

₁₇₂

At

Astato

[Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁵

117

(292)

₁₇

Ts

Teneso

[Rn] 5f¹⁴ 6d¹⁰ 7s² 7p⁵

36

83.8

⁻¹₊₁₊₂₊₃₊₄₊₅₊₆₊₇

Kr

Kriptón

[Ar] 3d¹⁰ 4s² 4p⁶

54

131.29

⁻¹₊₁₊₂₊₃₊₄₊₅₊₆₊₇

Xe

Xenón

[Kr] 4d¹⁰ 5s² 5p⁶

86

(222)

₁₇₂

Rn

Radón

[Xe] 4f¹⁴ 5d¹⁰ 6s² 6p⁶

118

(294)

₁₇

Og

Oganesón

[Rn] 5f¹⁴ 6d¹⁰ 7s² 7p⁶

Grupo

N° atómico →

Símbolo*

Nombre →

1

1.0079

⁻¹₊₁

H

Hidrógeno

1s¹

Masa atómica**

Electrones de Valencia***

Configuración electrónica

Alcalinos

Alcalinotérreos

Metal

Metaloides

No metales

Otros metales

Halógenos

Gas noble

Lantánidos/Actínidos

III-A

5

10.811

⁻³₊₁₊₂₊₃

B

Boro

1s² 2s² 2p¹

IV-A

6

12.011

⁻⁴₊₁₊₂₊₃₊₄

C

Carbono

1s² 2s² 2p²

V-A

7

14.007

⁻³₊₁₊₂₊₃₊₄₊₅

N

Nitrógeno

1s² 2s² 2p³

VI-A

8

15.999

⁻²₊₁₊₂₊₃₊₄₊₅₊₆

O

Oxígeno

1s² 2s² 2p⁴

VII-A

9

18.998

⁻¹₊₁₊₂₊₃₊₄₊₅₊₆₊₇

F

Flúor

1s² 2s² 2p⁵

VIII-A

2

4.0025

⁺¹₊₂

He

Helio

1s²

* Los elementos con esta fuente son *Artificiales*.

** Las masas de los elementos radioactivos se encuentran entre paréntesis.

*** Los números en **negritas** son los más estables.

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	71	174.97
La		Ce		Pr		Nd		Pm		Sm		Eu		Gd		Tb		Dy		Ho		Er		Tm		Yb		Lu	
Lantano		Cerio		Praseodimio		Neodimio		Prometio		Samario		Europio		Gadolinio		Terbio		Disprosio		Holmio		Ermio		Tulio		Iterbio		Lutecio	
[Xe] 5d ¹ 5s ²		[Xe] 5f ¹ 5d ¹ 6s ²		[Xe] 5f ² 6s ²		[Xe] 5f ² 6s ²		[Xe] 5f ² 6s ²		[Xe] 5f ⁶ 6s ²		[Xe] 5f ⁶ 6s ²		[Xe] 4f ⁵ 5d ¹ 6s ²		[Xe] 4f ⁶ 6s ²		[Xe] 4f ¹⁰ 6s ²		[Xe] 4f ¹¹ 6s ²		[Xe] 4f ¹² 6s ²		[Xe] 4f ¹³ 6s ²		[Xe] 4f ¹⁴ 6s ²		[Xe] 5f ⁷ 5d ¹ 5s ²	

89	(227) ⁺³	90	232.04 ^{+1 +2 +3 +4}	91	231.04 ^{+3 +4 +5}	92	238.03 ^{+1 +2 +3 +6}	93	(237) ^{+2 +3 +4 +7}	94	(244) ^{+2 +3 +4 +7}	95	(243) ^{+2 +3 +5 +7}	96	(247) ^{+3 +4 +6}	97	(247) ^{+3 +4}	98	(251)	99	(252)	100	(257)	101	(258) ^{+2 +3}	102	(259) ^{+2 +3}	103	(262) ⁺³
Ac		Th		Pa		U		Np		Pu		Am		Cm		Bk		Cf		Es		Fm		Md		No		Lr	
Actinio		Torio		Protactinio		Uranio		Neptunio		Plutonio		Americio		Curio		Berkelio		Californio		Einsteinio		Fermio		Mendelevio		Nobelio		Laurencio	
[Rn] 6d ¹ 7s ²		[Rn] 6d ² 7s ²		[Rn] 5f ⁶ 6d ¹ 7s ²		[Rn] 5f ⁶ 6d ¹ 7s ²		[Rn] 5f ⁶ 6d ¹ 7s ²		[Rn] 5f ⁶ 6s ²		[Rn] 5f ⁷ 7s ²		[Rn] 5f ⁶ 6d ¹ 7s ²		[Rn] 5f ⁷ 7s ²		[Rn] 5f ¹⁰ 7s ²		[Rn] 5f ¹¹ 6s ²		[Rn] 5f ¹² 7s ²		[Rn] 5f ¹³ 7s ²		[Rn] 5f ¹⁴ 7s ²		[Rn] 5f ¹⁴ 6s ² 7p ¹	