

GROUP 1
IA

1	1.00794
H	2.2
Hydrogen	+1,-1

1

3	6.941 4	9.012182
Li	0.98	Be
Lithium		Beryllium
+1	+2	

2

11	22.98977 12	24.3050
Na	0.93	Mg
Sodium		Magnesium
+1	+2	

3

Period

19	39.0983 20	40.078 21
K	0.82	Ca
Potassium		Calcium
+1	+2	

4

37	85.4678 38	87.62 39
Rb	0.82	Sr
Rubidium		Strontium
+1	+2	

5

55	132.905 56	137.327
Cs	0.79	Ba
Cesium		Barium
+1	+2	

6

87	223 88	226
Fr	0.7	Ra
Francium		Radium
+1	+2	

7

18
VIIA

2	4.002602
He	-
Helium	0

5	10.811 6	12.0107 7	14.0067 8	15.9994 9	18.998 10	20.1797
B	2.04	C	3.04	O	F	Ne
Boron		Carbon		Oxygen		Neon
+3	+2,4,-4	+2,3,4,5,-2,-3		-2	-1	0

13	26.981538 14	28.0855 15	30.97361 16	32.065 17	35.453 18	39.948
Al	1.61	Si	2.19	S	3.16	Ar
Aluminum		Silicon		Sulfur		Argon
+3	+2,4,-4	+3,4,5,-3		+2,4,6,-2	+1,3,5,7,-1	0

19	68.723 32	72.64 33	74.92160 34	78.96 35	79.904 36	83.798
Ga	1.81	Ge	2.18	Se	2.96	Kr
Gallium		Germanium		Selenium		Krypton
+3	+2,4	+3,5,-3		+2,4,6,-2	+1,3,5,7,-1	0

31	65.409 31	63.546 30	58.6934 29	55.845 27	58.932 28	58.932 28
Ga	1.65	Zn	1.90	Cu	1.91	Ni
Gallium		Zinc		Copper		Nickel
+3	+2	+1,2	+2,3	+2,3	+2,3	+2,3

37	114.818 50	118.710 51	121.760 52	127.60 53	126.904 54	131.293
In	1.78	Sn	2.05	Te	2.66	Xe
Indium		Tin		Tellurium		Xenon
+3	+2,4	+3,5,-3		+2,4,6,-2	+1,5,7,-1	0

81	204.3833 82	207.2 83	208.98 84	209 85	210 86	222
Tl	1.62	Pb	2.02	Bi	2.2	Rn
Thallium		Lead		Bismuth		Radon
+1,3	+2,4	+3,5,-3		+2,4	+1,3,5,7,-1	0

113	114	115	116	117	118	119
Uut	Uuq	Uup	Uuh	Uus	Uuo	Uuu
Ununtrium	Ununquadium	Ununpentium	Ununhexium	Ununseptium	Ununoctium	Ununnilium

113	114	115	116	117	118	119
Uut	Uuq	Uup	Uuh	Uus	Uuo	Uuu
Ununtrium	Ununquadium	Ununpentium	Ununhexium	Ununseptium	Ununoctium	Ununnilium

Periodic Table of the Elements

Atomic number

1.00794

Atomic weight

Electronegativity (Pauling)

2.2

Hydrogen

+1,-1

Possible Oxidation States

Lanthanides

Actinides

CONSTANTES PHYSIQUES

Constante	Symbole	Valeur
Accélération de la pesanteur	g	$9,80655 \text{ m s}^{-2}$
Charge de l'électron	e	$1,602 \cdot 10^{-19} \text{ C}$
Constante d'Avogadro	N_A	$6,022 \cdot 10^{23} \text{ particules mol}^{-1}$
Constante de Faraday	F	$96485,3 \text{ C mol}^{-1}$
Constante des gaz parfaits	R	$8,31441 \text{ J K}^{-1} \text{ mol}^{-1}$
		$0,08205 \text{ L atm K}^{-1} \text{ mol}^{-1}$
		$0,08314 \text{ L bar K}^{-1} \text{ mol}^{-1}$
Constante de Planck	h	$6,626176 \cdot 10^{-34} \text{ J s}$
Constante de Rydberg	R_∞	$1,09737 \cdot 10^7 \text{ m}^{-1}$
Masse de l'électron	m_e	$9,109 \cdot 10^{-31} \text{ kg}$
		$5,5 \cdot 10^{-4} \text{ u}$
Masse du neutron	m_n	$1,675 \cdot 10^{-27} \text{ kg}$
		$1,008 \text{ u}$
Masse du proton	m_p	$1,673 \cdot 10^{-27} \text{ kg}$
		$1,0073 \text{ u}$
Vitesse de la lumière dans le vide	c	$2,99792458 \cdot 10^8 \text{ m s}^{-1}$
Volume molaire normal du gaz parfait	V_m	$22,41 \text{ L mol}^{-1}$
Unité de masse atomique	u	$1,660565 \cdot 10^{-27} \text{ kg}$