

25.4.2023

Language of Chemistry

Name of some elements derived from Latin language

	Name in English	Name in Latin/greek	Symbol
1	Sodium	Natrium	Na
2	Potassium	Kalium	K
3	Magnesium	Magnesium	Mg
4	Aluminium	Alumen	Al
5	Calcium	Calce	Ca
6	Iron	Ferrium	Fe
7	Copper	Cuprum	Cu
8	Zinc	Zincke	Zn
9	Silver	Argentum	Ag
10	Gold	Aurum	Au
11	Mercury	Hydrargyrum	Hg
12	Lead	Plumbum	Pb
13	Tin	Stannum	Sn
14	Antimony	Stibium	Sb

→ Variable Valency

~~copper~~ → $\begin{matrix} \rightarrow 1 \rightarrow \\ \rightarrow 2 \rightarrow \end{matrix}$ Cuprous (Cu^+)
Cupric (Cu^{2+})

Iron → $\begin{matrix} 2 \rightarrow \\ 3 \rightarrow \end{matrix}$ Ferrous (Fe^{2+})
Ferric (Fe^{3+})

Lead \rightarrow 2 Plumbous (Pb^{2+})
 \rightarrow 4 Plumbic (Pb^{4+})

Tin \rightarrow 2 stannous (Sn^{2+})
 \rightarrow 4 stannic (Sn^{4+})

\rightarrow Radicals.

Radicals

acid radicals (-ve) / anion Basic radicals (+ve) / cation
 eg - $(NH_4)_3PO_4$
 acid radical - $(PO_4)^{3-}$
 basic radical - $(NH_4)^{1+}$

Name and symbols of elements

Name in english	Symbol	Name in english	Symbol
Hydrogen	H	Helium	He
Nitrogen	N	Neon	Ne
Oxygen	O	Argon	Ar
Carbon	C	Krypton	Kr
Sulphur	S	Radon	Rn
Phosphorus	P	Xenon	Xe
Boron	B	Chromium	Cr
Chlorine	Cl	Cobalt	Co
Fluorine	F	Radium	Ra

Name in english	symbol	Name in english	symbol
B Bromine	Br	Manganese	Mn
Iodine	I	Nickel	Ni
Arsenic	As	Barium	Ba
Platinum	Pt	Uranium	U
Germanium	Ge	Silicon	Si
Helium			

Name, valency and symbol

Name of elements	Symbol	Valency		Symbol	Valency	
1 Hydrogen	H	1	16	sulphur	S	2
2 Helium	He	0	17	Chlorine	Cl	1
3 Lithium	Li	1	18	Argon	Ar	0
4 Bor. Beryllium	Be	2	19	Potassium	K	1
5 Boron	B	1	20	Calcium	Ca	2
6 Carbon	C	4				
7 Nitrogen	N	3				
8 Oxygen	O	2				
9 Fluorine	F	1				
10 Neon	Ne	0				
11 Sodium	Na	1				
12 Magnesium	Mg	2				
13 Aluminium	Al	3				
14 Silicon	Si	4				
15 Phosphorus	P	3				