

Periodic Table of the Elements

← More METALLIC

58 Ce 140.1	59 Pr 140.9	60 Nd 144.2	61 Pm (147)	62 Sm 150.4	63 Eu 152.0	64 Gd 157.3	65 Tb 158.9	66 Dy 162.5	67 Ho 164.9	68 Er 167.3	69 Tm 168.9	70 Yb 173.0	71 Lu 175.0
90 Th 232.0	91 Pa (231)	92 U 238.0	93 Np (237)	94 Pu 242	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (249)	99 Es (254)	100 Fm (256)	101 Md (256)	102 No (254)	103 Lr (257)

Actinides

Lanthanides

Alkali
Earth

Alkali -
Metal
(SOLUBLE)

ACIDS/HYDRATES

POLYATOMIC ANIONS

① BINARY ACIDS:

- Hydrogen and 1 nonmetal atom
ie: $\text{HCl} \Rightarrow$ hydrochloric Acid

② OXOACIDS:

- Hydrogen \oplus Oxygen \oplus Element
- ate \Rightarrow "ic"
- ite \Rightarrow "ous"
ie: $\text{H}_2\text{SO}_4 \Rightarrow$ Sulphuric Acid
 $\text{HNO}_2 \Rightarrow$ Nitrous Acid

③ HYDRATES:

- Water molecules attached
ie: $\text{CaSO}_4 \cdot 2\text{H}_2\text{O} \Rightarrow$ Calcium Sulphate dihydrate
 $\text{Na}_2\text{SO}_4 \cdot 4\text{H}_2\text{O} \Rightarrow$ Sodium sulphate tetrahydrate

AsO_4^{-3}	ARSENATE
BO_3^{-3}	BORATE
(SOLUBLE) $\text{C}_2\text{H}_3\text{O}_2^-$	ACETATE
CN^-	CYANIDE
ClO_4^-	PERCHLORATE
(SOLUBLE) ClO_3^-	CHLORATE
ClO_2^-	CHLORITE
ClO^-	HYPOCHLORITE
CO_3^{-2}	CARBONATE
$\text{C}_2\text{O}_4^{-2}$	OXALATE
CrO_4^{-2}	CHROMATE
$\text{Cr}_2\text{O}_7^{-2}$	DICHROMATE
HCO_3^-	BICARBONATE
HC_2O_4^-	BINOXALATE
HS^-	BISULPHIDE
HSO_3^-	BISULPHITE
HSO_4^-	BISULPHATE
HPO_4^{-2}	MONOHYDROGEN PHOSPHATE
MnO_4^-	PERMANGANATE
NO_2^-	NITRITE
(SOLUBLE) NO_3^-	NITRATE
OH^-	HYDROXIDE
O_2^{-2}	PEROXIDE
PO_4^{-3}	PHOSPHATE
$\text{P}_2\text{O}_7^{-4}$	PYROPHOSPHATE
SCN^-	THIOCYANATE
SiO_4^{-4}	ORTHOSILICATE
SO_3^{-2}	SULPHITE
SO_4^{-2}	SULPHATE
$\text{S}_2\text{O}_3^{-2}$	THIOSULPHATE
(SOLUBLE) NH_4^+	AMMONIUM (CATION)