

Reference - Important Formulas

K¹⁺ **POTASSIUM**

KCl	- chloride
KBr	- bromide
KI	- iodide
KOH	- hydroxide
KNO ₂	- nitrite
KNO ₃	- nitrate
KHCO ₃	- bicarbonate
KHSO ₃	- bisulphite
KHSO ₄	- bisulphate
KMnO ₄	- permanganate
K ₂ SO ₃	- sulphite
K ₂ SO ₄	- sulphate
K ₂ CO ₃	- carbonate
K ₂ Cr ₂ O ₇	- dichromate
K ₂ ZnO ₂	- zincate
K ₂ PbO ₂	- plumbite
KAlO ₂	- aluminate

Na¹⁺ **SODIUM**

NaCl	- chloride
NaOH	- hydroxide
NaNO ₂	- nitrite
NaNO ₃	- nitrate
NaHCO ₃	- bicarbonate
NaHSO ₃	- bisulphite
NaHSO ₄	- bisulphate
Na ₂ SO ₃	- sulphite
Na ₂ SO ₄	- sulphate
Na ₂ CO ₃	- carbonate
Na ₂ ZnO ₂	- zincate
Na ₂ PbO ₂	- plumbite
NaAlO ₂	- aluminate
Na[Ag(CN) ₂]	<i>Sodium silver cyanide</i>

Ca²⁺ **CALCIUM**

CaCl ₂	- chloride
Ca(OH) ₂	- hydroxide
Ca(NO ₃) ₂	- nitrate
Ca(HCO ₃) ₂	- bicarbonate
Ca(HSO ₃) ₂	- bisulphite
CaSO ₃	- sulphite
CaSO ₄	- sulphate
CaCO ₃	- carbonate
CaO	- oxide
CaSiO ₃	- silicate
Ca ₃ N ₂	- nitride

Mg²⁺ **MAGNESIUM**

MgCl ₂	- chloride
Mg(OH) ₂	- hydroxide
Mg(NO ₃) ₂	- nitrate
MgO	- oxide
Mg ₃ N ₂	- nitride

Zn²⁺ **ZINC**

ZnCl ₂	- chloride
Zn(OH) ₂	- hydroxide
Zn(NO ₃) ₂	- nitrate
ZnSO ₄	- sulphate
ZnCO ₃	- carbonate
ZnO	- oxide
[Zn(NH ₃) ₄]SO ₄	<i>Tetrammine zinc sulphate</i>

Cu¹⁺ **COPPER [Cuprous]**

CuCl	- [I] chloride
Cu ₂ O	- [I] oxide
Cu ₂ S	- [I] sulphide

Cu²⁺ **COPPER [Cupric]**

CuCl ₂	- [II] chloride
Cu(OH) ₂	- [II] hydroxide
Cu(NO ₃) ₂	- [II] nitrate
CuSO ₄	- [II] sulphate
CuS	- [II] sulphide
CuO	- [II] oxide
[Cu(NH ₃) ₄]SO ₄	<i>Tetrammine copper [II] sulphate</i>

Fe²⁺ **IRON [Ferrous]**

FeCl ₂	- [II] chloride
Fe(OH) ₂	- [II] hydroxide
Fe(NO ₃) ₂	- [II] nitrate
FeSO ₄	- [II] sulphate
FeS	- [II] sulphide
FeO	- [II] oxide
FeSO ₄ · NO	<i>Nitroso iron [II] sulphate</i>

Fe³⁺ **IRON [Ferric]**

FeCl ₃	- [III] chloride
Fe(OH) ₃	- [III] hydroxide
Fe(NO ₃) ₃	- [III] nitrate
Fe ₂ (SO ₄) ₃	- [III] sulphate
Fe ₂ S ₃	- [III] sulphide
Fe ₂ O ₃	- [III] oxide

Pb²⁺ **LEAD**

PbCl ₂	- [II] chloride
PbBr ₂	- [II] bromide
Pb(OH) ₂	- [II] hydroxide
Pb(NO ₃) ₂	- [II] nitrate
PbSO ₄	- [II] sulphate
PbO	- [II] oxide
Pb ₃ O ₄	<i>Trilead tetraoxide</i>

Pb⁴⁺ **LEAD**

PbO ₂	<i>[IV] oxide</i>
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Al³⁺ **ALUMINIUM**

AlCl ₃	- chloride
Al(OH) ₃	- hydroxide
Al ₂ (SO ₄) ₃	- sulphate
Al ₂ S ₃	- sulphide
Al ₂ O ₃	- oxide
AlN	- nitride

Mn²⁺ **MANGANESE**

MnCl ₂	- [II] chloride
MnSO ₄	- [II] sulphate

Mn⁴⁺ **MANGANESE**

MnO ₂	- [IV] oxide
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Cr³⁺ **CHROMIUM**

CrCl ₃	- chloride
Cr ₂ (SO ₄) ₃	- sulphate
Cr ₂ O ₃	- oxide

Ag¹⁺ **SILVER**

AgCl	- chloride
AgBr	- bromide
AgNO ₃	- nitrate
AgCN	- cyanide
[Ag(NH ₃) ₂]Cl	<i>Diamine silver chloride</i>

NH₄¹⁺ **AMMONIUM**

NH ₄ Cl	- chloride
NH ₄ OH	- hydroxide
NH ₄ NO ₃	- nitrate
(NH ₄) ₂ SO ₄	- sulphate