

Use the table below to balance the equations:

Valency	Name of Ion	Symbol	Name of Metallic Element	Symbol	Polyatomic Ions	Symbol
1	Sodium	Na ⁺	Hydrogen	H ⁺	Ammonium	NH ₄ ⁺
	Potassium	K ⁺	Hydride	H ⁻	Hydroxide	OH ⁻
	Silver	Ag ⁺	Chloride	Cl ⁻	Nitrate	NO ₃ ⁻
	Copper (I)*	Cu ⁺	Bromide	Br ⁻	Hydrogen Carbonate	HCO ₃ ⁻
			Iodide	I ⁻		
2	Magnesium	Mg ²⁺	Oxide	O ²⁻	Carbonate	CO ₃ ²⁻
	Calcium	Ca ²⁺	Sulphide	S ²⁻	Sulphite	SO ₃ ²⁻
	Zinc	Zn ²⁺	Sulphate	SO ₄ ²⁻		
	Iron (II)*	Fe ²⁺				
	Copper (II)*	Cu ²⁺				
3	Aluminium	Al ³⁺	Nitride	N ³⁻	Phosphate	PO ₄

- 1) ___ HCl + ___ NaOH $\longrightarrow$ ___ NaCl + H₂O
- 2) ___ H₂ + ___ O₂ $\longrightarrow$ ___ H₂O
- 3) ___ Ag + ___ O₂ $\longrightarrow$ ___ Ag₂O
- 4) ___ HCl + ___ CaCO₃ $\longrightarrow$ ___ CaCl₂ + ___ H₂O + ___ CO₂
- 5) ___ Al + ___ O₂ $\longrightarrow$ ___ Al₂O₃
- 6) ___ K + ___ O₂ $\longrightarrow$ ___ K₂O
- 7) ___ K₂O + ___ H₂O $\longrightarrow$ ___ KOH
- 8) ___ CaO + ___ H₂O $\longrightarrow$ ___ Ca(OH)₂
- 9) ___ SO₂ + ___ H₂O $\longrightarrow$ ___ H₂SO₃
- 10) ___ NH₄Cl + ___ NaOH $\longrightarrow$ ___ NaCl + ___ H₂O + ___ NH₃