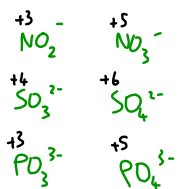


Salt	Name	Acid	Name
LiCl	Lithium chloride	HCl	Hydrochloric acid
LiBr	Lithium bromide	HBr	Hydrobromic acid
LiF	Lithium fluoride	HF	Hydrofluoric acid
Li ₂ S	Lithium sulfide	H ₂ S	Hydro-sulfuric acid

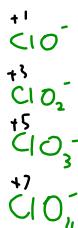
An acid with only H and one other element is named hydro.....ic acid.

Salt	Name	Acid	Name
LiNO ₂	Lithium nitrite (NO ₂ ⁻)	HNO ₂	Nitrous acid
LiNO ₃	Lithium nitrate (NO ₃ ⁻)	HNO ₃	Nitric acid
Li ₂ SO ₃	Lithium sulfite (SO ₃ ²⁻)	H ₂ SO ₃	Sulfurous acid
Li ₂ SO ₄	Lithium sulfate (SO ₄ ²⁻)	H ₂ SO ₄	Sulfuric acid
Li ₃ PO ₃	Lithium phosphite (PO ₃ ³⁻)	H ₃ PO ₃	Phosphorous acid
Li ₃ PO ₄	Lithium phosphate (PO ₄ ³⁻)	H ₃ PO ₄	Phosphoric acid



← Acids with H and two other elements eg. N and O can have a number of formulae because the main element can have more than 1 oxidation state.

Salt	Name	Acid	Name
LiClO	Lithium hypochlorite (ClO ⁻)	HClO	Hypochlorous acid
LiClO ₂	Lithium chlorite (ClO ₂ ⁻)	HClO ₂	Chlorous acid
LiClO ₃	Lithium chlorate (ClO ₃ ⁻)	HClO ₃	Chloric acid
LiClO ₄	Lithium perchlorate (ClO ₄ ⁻)	HClO ₄	Perchloric acid



← Elements such as Cl, Br and I can have 4 positive oxidation states so can form 4 ions with O.

Test

1. HI Hydroiodic acid
2. H₂S Hydro-sulfuric acid
3. HNO₃ Nitric acid
4. H₂SO₄ Sulfuric acid
5. HBrO₂ Bromous acid
6. Iodic acid HIO₃
7. Phosphoric acid H₃PO₄
8. Hydrobromic acid HBr
9. Hypoiodous acid HIO
10. Hydroiodic acid HI