SOLUBILITY OF COMMON COMPOUNDS IN WATER

Negative Ions (Anions)	Positive Ions (Cations)	Compounds
essentially all	alkali ions	soluble
essentially all	hydrogen ion, H ⁺	soluble
essentially all	ammonium ion, NH ₄ ⁺	soluble
nitrate, NO ₃	essentially all	soluble
acetate, CH ₃ COO ⁻	essentially all	soluble
chloride, Cl	Ag ⁺ , Pb ²⁺ , Hg ₂ ²⁺ , Cu ¹⁺	low solubility
bromide, Br iodide, I	all others	soluble
sulfate, SO ₄ ²⁻	Ca ²⁺ , Sr ²⁺ , Ba ²⁺ , Pb ²⁺ , Ra ²⁺ , Ag ⁺ , Hg ²⁺	low solubility
	all others	soluble
sulfide, S ²⁻	alkali ions [*] , H ⁺ , NH ₄ ⁺ , Be ²⁺ , Mg ²⁺ , Ca ²⁺ , Sr ²⁺ , Ba ²⁺ , Ra ²⁺	soluble
	all others	low solubility
hydroxide, OH ⁻	alkali ions [*] , H ⁺ , NH ₄ ⁺ , Sr ²⁺ , Ba ²⁺ , Ra ²⁺	soluble
	all others	low solubility
phosphate, PO ₄ ³⁻	alkali ions [*] , H ⁺ , NH₄ ⁺	soluble
carbonate, CO ₃ ² - sulfite, SO ₃ ² -	all others	low solubility