

Solubility Table



Soluble compounds (aq)	Insoluble compounds (s)
all lithium ion compounds with Li^+	
all sodium ion compounds with Na^+	
all potassium ion compounds with K^+	
all nitrate ion compounds with NO_3^-	
Most chloride compounds with Cl^- except:	AgCl and PbCl_2 are precipitates
Most bromide compounds with Br^- except:	AgBr and PbBr_2 are precipitates
Most iodide compounds with I^- except:	AgI and PbI_2 are precipitates
Most sulfate compounds with SO_4^{2-} except:	BaSO_4 and PbSO_4 are precipitates
Some sulfide compounds with S^{2-} except:	PbS and Ag_2S are precipitates
Some chromate compounds with CrO_4^{2-} except:	PbCrO_4 and Ag_2CrO_4 are precipitates
Some hydroxide compounds with OH^- except:	$\text{Al}_2(\text{OH})_3$ and $\text{Fe}(\text{OH})_3$ are precipitates
all ammonium ion compounds with NH_4^+	
Acids such as HCl and HNO_3 with H^+	