Chemistry

Solubility Table

<u>lon</u>	<u>Solubility</u>	<u>Exceptions</u>
NO ₃ -	soluble	none
CIO ₄ -	soluble	none
CI-	soluble	except Ag+, Hg ₂ 2+, *Pb2+
-	soluble	except Ag+, Hg ₂ 2+, Pb2+
SO ₄ 2-	soluble	except Ca ²⁺ , Ba ²⁺ , Sr ²⁺ ,
·		Hg ²⁺ , Pb ²⁺ , Ag ⁺
CO ₃ 2-	insoluble	except Group IA and NH ₄ +
PO ₄ 3-	insoluble	except Group IA and NH4+
-OH	insoluble	except Group IA, *Ca ²⁺ ,
		Ba ²⁺ , Sr ²⁺
S ²⁻	insoluble	except Group IA, IIA and
		NH ₄ +
Na+	soluble	none
NH_4 +	soluble	none
K+ .	soluble	none
		*slightly soluble

Chemistry

	Exceptions
Compounds Containing the Following lons are Generally Soluble	(when combined with ions on the left, the compound is insoluble)
Li ⁺ , Na ⁺ , K ⁺ , NH ₄ ⁺	none
NO ₃ ⁻ , C ₂ H ₃ O ₂ ⁻	none
Cl ⁻ , Br ⁻ , l ⁻	Ag+, Hg ₂ ²⁺ , Pb ²⁺
SO ₄ ²⁻	Ag+, Ca ²⁺ , Sr ²⁺ , Ba ²⁺ , Pb ²⁺

Compounds Containing the Following lons are Generally Insoluble	Exceptions (when combined with ions on the left the compound is soluble or slightly soluble)
OH-	Li ⁺ , Na ⁺ , K ⁺ , NH ₄ ⁺ ,
	Ca ²⁺ , Sr ²⁺ , Ba ²⁺
S ²⁻	Li ⁺ , Na ⁺ , K ⁺ , NH ₄ ⁺
CO ₃ ²⁻ , PO ₄ ³⁻	Li ⁺ , Na ⁺ , K ⁺ , NH ₄ ⁺