SOLUBILITIES

The following table of solubilities is arranged according to groups of ions, both cations and anions. The data given in this table are purely relative and general in their scope, and for further or more particular details regarding solubilities, larger works, such as Fresenius or Treadwell and Hall, should be consulted.

The significance of the letters used is as follows.

W = soluble in water
w = slightly soluble in water, but soluble in dilute mineral acids
A = insoluble in water, but soluble in dilute mineral acids
a = insoluble in water, and only slightly soluble in dilute mineral acids
I = insoluble in water or dilute mineral acids

	$CO_3^{=}$	NO_2^{-}	$S^{=}$	$SO_3^{=}$	$S_2O_3^{=}$	Ac^{-}	$AsO_3^{\equiv}$	$AsO_4^{\equiv}$	$PO_4^{\equiv}$	$BO_3^{\equiv}$	$CrO_4^{=}$	$SiO_3^{=}$	$SO_4^{=}$	$C_2O_4^{=}$	$C_4H_4O_6^{=}$	$Fe(CN)_6^{\equiv}$	$Fe(CN)_6^{\equiv}$	CNS^{-}	I^{-}	Br^{-}	Cl^{-}	NO_3^{-}	Oxide	OH^{-}
Ag^{+}	A	w	A	w	w	w	A	A	A	A	A	I	w	A	A	I	I	I	I	I	I	W	A	
Pb^{++}	A	W	A	A	A	W	A	A	A	A	a	A	a	A	A	A	w	A	w	a	w	W	A	A
Hg_2^{++}	A		A			w	A	A	A		A		w	A	w			A	A	a	a	W	A	
Hg^{++}	A		I			W	A	A	A		w		W	A	A	A	A	W	A	W	W	W	A	
Bi^{+++}	A		A	A		W		A	A	A	A		W	A	A	w			A	w	W	W	A	A
Cu^{++}	A	W	A	A		W	A	A	A	A	W	A	W	A	W	I	I	A	W	W	W	W	A	A
Cd^{++}	A	W	A	w		W		A	A	w	A	A	W	A	w		A	w		W	W	W	A	A
Sb^{+++}							A	a	w		A		w	A	A				w	w	w	W	A	
Sn^{++}			A			W	A	A	A	A	A		W	A	A	I	I		W	W	W		A	A
Sn^{++++}			A			W		A	A				W	W		I		W	W	W	W	W	A	A
Co^{++}	A		A	A		W	A	A	A	A	A	A	W	A	W	I	I	W	W	W	W	W	A	A
Ni^{++}	A		A	A		W	A	A	A	A	A	A	W	A	A	I	I	W	W	W	W	W	A	A
Fe^{++}	A		A	w	W	W	A	A	A	A		A	W	A	w	I	I	W	W	W	W	W	A	A
Fe^{+++}			A			W	A	A	A	A	W	A	W	A	W	I	W	W	W	W	W	W	A	A
Mn^{++}	A		A	A		W	A	A	A	A	W	A	W	w	w	A	I	W	W	W	W	W	A	A
Al^{+++}						W		a	A	A		a	W	A	W	w			W	W	W	W	A	A
Cr^{+++}						W		A	A	A	A	A	W	w	W			W	W	W	W	W	A	A
Zn^{++}	A		A	w		W	A	A	A	A	W	A	W	A	A	I	A	W	W	W	W	W	A	A
Ba^{++}	A	W	W	w	w	W	A	A	A	A	A	A	I	A	A	w	w	W	W	W	W	W	W	W
Sr^{++}	A	W	W	w	W	W	A	A	A	A	w	A	I	A	A	W	W	W	W	W	W	W	w	A
Ca^{++}	A	W	W	w	w	W	A	A	A	A	w	A	a	A	A	W	W	W	W	W	W	W	w	w
Mg^{++}	A	W	A	w	W	W	A	A	A	w	W	A	W	A	w	W	W	W	W	W	W	W	A	A
Na^{+}	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
K^{+}	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
NH_4^{+}	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W		W