

S	X	S	I	S	I	I	S	Al <sup>3+</sup>
S	S	S	S	S	X	S	S	NH <sub>4</sub> <sup>+</sup>
S	I	S	S	S	SS	I	SS	Ca <sup>2+</sup>
S	X	S	I	S	I	I	S	Cu <sup>2+</sup>
S	I	S	I	S	I	I	S	Fe <sup>2+</sup>
S	X	S	I	S	I	I	SS	Fe <sup>3+</sup>
S	I	S	I	S	I	I	S	Mg <sup>+2</sup>
S	S	S	S	S	S	S	S	K <sup>+</sup>
I	I	I	X	S	I	I	SS	Ag <sup>+</sup>
S	S	S	S	S	S	S	S	Na <sup>+</sup>
S	I	S	I	S	I	I	S	Zn <sup>+2</sup>
Br	CO <sub>3</sub> <sup>2-</sup>	Cl <sup>-</sup>	OH <sup>-</sup>	NO <sub>3</sub> <sup>-</sup>	O <sup>2-</sup>	PO <sub>4</sub> <sup>3-</sup>	SO <sub>4</sub> <sup>2-</sup>	

## SOLUBLE & INSOLUBLE CHART KEY

S = SOLUBLE

I = INSOLUBLE

SS = SLIGHTLY SOLUBLE

X = INEXISTENT COMPOUND

Al<sup>3+</sup> = Aluminum

NH<sub>4</sub><sup>+</sup> = Ammonium

Ca<sup>2+</sup> = Calcium

Cu<sup>2+</sup> = Copper (II)

Fe<sup>2+</sup> = Iron (II)

Fe<sup>3+</sup> = Iron (III)

Mg<sup>+2</sup> = Magnesium

K<sup>+</sup> = Potassium

Ag<sup>+</sup> = Silver

Na<sup>+</sup> = Sodium

Zn<sup>+2</sup> = Zinc

Br = Bromide

CO<sub>3</sub><sup>2-</sup> = Carbonate

Cl<sup>-</sup> = Chloride

OH<sup>-</sup> = Hydroxide

NO<sub>3</sub><sup>-</sup> = Nitrate

O<sup>2-</sup> = Oxide

PO<sub>4</sub><sup>3-</sup> = Phosphate

SO<sub>4</sub><sup>2-</sup> = Sulfate