## **Solubility Song**

(Sung to the tune of "Puff the Magic Dragon") for writing net ionic equations in chemical reactions

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Sodium (Na<sup>+</sup>), Potassium (K<sup>+</sup>), Ammonium (NH<sub>4</sub><sup>+</sup>) salts,
Whatever they may be,
Can always be depended on for solubility.
When asked about the Nitrates (NO_3^-),
The answer's always clear,
They each and all are soluble
Is all we want to hear.
Most every Chloride's (Cl-) soluble,
At least we've always read,
Save Silver (Ag<sup>+</sup>), Mercurous Mercury (Hg<sub>2</sub><sup>+2</sup>)
and slightly Chloride of Lead (Pb+2).
Every single Sulfate (SO_4^{-2}),
Is soluble 'tis said,
Save Calcium (Ca^{+2}) and Barium (Ba^{+2})
and Strontium (Sr<sup>+2</sup>) and Lead (Pb<sup>+2</sup>).
Hydroxides (OH-) of metals won't dissolve,
That is, all but three,
Potassium (K^+), Sodium (Na^+) and Ammonium (NH_4^+)
Dissolve quite readily.
And then you must remember,
That you must not forget,
Calcium (Ca<sup>+2</sup>), Strontium (Sr<sup>+2</sup>), Barium (Ba<sup>+2</sup>)
Dissolve a little bit.
The Carbonate's (CO_3^{-2}) insoluble,
It's lucky that it's so,
Or else our marble (CaCO<sub>3</sub>) buildings
Would melt away like snow.
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