

Rules for Solubility

(Taken from Cornell University - Chemistry Department)
(Sing to Rhythm of 99 Bottles)

Potassium, sodium and ammonium salts,
Whatever they may be,
Can always be depended on for solubility

When asked about the nitrates
The answer is always clear,
They each and all are soluble,
Is all we want to hear.

Most every chloride's soluble
At least we've always read
Save silver, mercurous mercury
And (slightly) chloride of lead

Every single sulfate
Is soluble, 'Tis said
'Cept barium and strontium
And calcium and lead.

Hydroxides of metals won't dissolve
That is, all but three
Potassium, sodium and ammonium
Dissolve quite readily

And then you must remember
That you must not "forget"
Calcium, barium, strontium
Dissolve a little bit.

The carbonates are insoluble,
It's lucky that it's so,
Or else, our marble buildings
Would melt away like snow.

(Repeat with feeling)
Potassium, sodium, and ammonium salts
Whatever they may be
Can always be depended on
For solubility