

Solubility Rules

Chorus: Solubility rules, they're really great,
They help predict precipitates,
What a marvelous tool!
Solubility Rules.

Verse 1: Alkali metal ions are really swell
Assume their compounds are always soluble
Those ions are hardly precipitators
In reactions they're usually spectators.

Verse 2: And that positive one ion, NH_4 ,
Its compounds are soluble for sure.
And that negative one ion NO_3 ,
Nitrates are as soluble as can be.

Verse 3: Of course we know one thing is always true,
There are always exceptions to the rules.
Sulfates are soluble it's said.
'Cept with barium, strontium and lead (and a few others).

Verse 4: Chlorides, bromides and iodides are soluble
But there are some secrets I'm gonna tell.
Working in the lab it's plain to see,
They're insoluble with silver, lead and mercury.