

Solubility Rules

The common solubility rules (in water) are:

1. All compounds of Ammonium (NH_4^+) and Group 1 cations are soluble.
2. All nitrates are soluble.
3. All chlorides, bromides and iodides are soluble except for silver, lead and mercury.
4. All sulfates are soluble except for silver, lead, mercury, barium, strontium and calcium.
5. All carbonates and phosphates are insoluble except for ammonium and Group 1 cations.
6. All hydroxides are insoluble except for ammonium, calcium, barium and Group 1 cations.