

Information to Memorize by the 1st Day of School!

Solubility Rules:

1. All nitrates are soluble
2. Alkali metal (Group 1) ions and NH_4^+ ions are soluble
3. Acetates, hydrogen carbonate (bicarbonate) and chlorates are soluble
4. Halides are soluble except with Ag^+ , Pb^{+2} , and Hg_2^{+2}
5. Most sulfates are soluble, except with Pb^{+2} , Ba^{+2} , Hg^{+2} and Ca^{+2}
6. Most hydroxides (OH) are insoluble, except Ca^{+2} , Ba^{+2} and Sr^{+2}
7. Sulfides, carbonates, chromates, and phosphates are insoluble

*** Lower number rules supersede***

Therefore Na_2S is soluble