

Solubility Rules Related Tasks

Solubility Rules

Solubility Rules

Rule 1 supercedes rule 2, rule 2 supercedes rule 3, etc.

1. **Nitrate (NO_3^-) salts are soluble**
2. **Salts containing the alkali metal ions (Li^+ , Na^+ , K^+ , Rb^+ , Cs^+) and the ammonium ion (NH_4^+) are soluble**
3. **Most chloride, bromide, and iodide salts are soluble. Notable exceptions are salts containing the ions Ag^+ , Pb^{2+} , Hg_2^{2+}**
4. **Most sulfate salts are soluble. Notable exceptions are BaSO_4 , PbSO_4 , Hg_2SO_4 and CaSO_4 .**
5. **Most hydroxide salts are slightly soluble (insoluble). Exceptions include $\text{Ba}(\text{OH})_2$, $\text{Sr}(\text{OH})_2$, and $\text{Ca}(\text{OH})_2$.**
6. **Most sulfide (S^{2-}), carbonate (CO_3^{2-}), chromate (CrO_4^{2-}), and phosphate (PO_4^{3-}) salts are insoluble.**

Your Tasks

(1) Play the Sporcle Solubility Rules Game by esflyer at

https://www.sporcle.com/games/esflyer/solubility_rules

Put a screen shot of your image in a Google-Docs

(2) Complete the Solubility Rules Quiz at

http://highered.mheducation.com/sites/0072396814/student_view0/chapter4/interactive_q

Have my email address (Renuka.Rajasekaran@henry.k12.ga.us) plugged in for the instructor and submit. Your quiz results will come to me.

(3) Complete the funtrivia quiz on solubility rules at

<http://www.funtrivia.com/trivia-quiz/SciTech/Soluble-or-Not->

Put a screen shot of your image in the same Google-Docs

Share your Google-Docs with me