

# Solubility Rules – SALTS & Bases – how well a salt ionizes in water.

- Check Rule 1 first (checking cations (+))
- Check Rules 2-5 next (checking (-))

Std 3

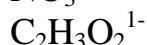
## 1. Soluble (ionizes)

(cation) (+)



## 2. Soluble (ionizes)

(anions) (-)



## 3. Insoluble

(won't ionize)

Combinations



## 4. Insoluble

(won't ionize)

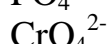
Combinations



## 5. Insoluble

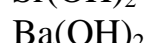
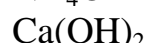
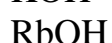
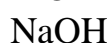
(won't ionize)

Anions



## 6. Soluble Bases

(will ionize)



Ionize = dissolves = **SOLUBLE**  
= **NO PPT**

Won't ionize = won't dissolve =  
**NOT SOLUBLE = PPT forms**