SOLUBILITY CHART

RULES FOR SIGNIFICANT DIGITS
1. Digits other than zero are always significant.
2. One or more final zeros used after the decimal point are always significant.
3. Zeros between two other significant digits are always significant.
4. Zeros used solely for spacing the decimal point are not significant. There are placeholders only.
5. Counted numbers have an infinite number of significant digits.

SOLUBILITY RULES
A substance is considered to be soluble if more than 3 grams of a substance dissolve in 100mL of water. The more common rules are listed below.

1. All common salts of Group 1 elements and ammonium ion are soluble.
2. All common acetates and nitrates are soluble.
3. Except for those in Rule 1, carbonates, hydroxides, oxides, sulfides, and phosphates are insoluble.
4. All sulfates are soluble except those of silver, mercury(I), and lead.
5. Except for those in Rule 1, carbonates, hydroxides, oxides, sulfides, and phosphates are insoluble.

CHEMISTRY STUDY GUIDE
Designed by: Mike Stratton
Centralia High School
Science Teacher (360)330-7605
mstratton@centralia.wednet.edu

NAMES & CHARGES OF POLYATOMIC IONS

Go Cougs! Go Tigers!