**Unit 3 Test Review**

Understand the idea of soluble vs insoluble. Strong electrolyte vs weak electrolyte vs nonelectrolyte. (EXAMPLES)

As related to conductivity of solutions.

Know solubilities rules #1, 2 – be able to use the others.

Dissociation vs ionization (complete vs partial). Ex: NaCl, HCl, HAc

Solution concentration (molarity). Dilution technique/procedures/calculations.

Solution stoichiometry. (including acid/base titrations)

General ideas of reactivity.

Oxidation and Reduction (Identify species, identify oxidizing agent and reducing agent).

Molecular, Complete Ionic, Net ionic equations. Spectator ions.

Metathesis reactions driving forces.

Redox reactions. (relative reactivities metals AND nonmetals)

How to use DATA

FRQs

1) Understand REDOX. Write balanced molecular, complete and net ionic equations. Observations? Identify/explain oxidation vs reduction and OA vs RA. Solution Stoichiometry

2) Lab Analysis/Error: KHP and NaOH What is molar mass???

3) Dilution procedures, calculations