

## Unit 1: Aqueous Solution Test Topics:

Go through the list, and review the following topics:

### Define solubility

- What makes a solution aqueous?
- What makes a solution soluble?
- What makes a solution insoluble?

### Solubility rules

- Do you know how to read a solubility table?
- Can you use the solubility table to predict if a reaction will give rise to a precipitate?
- Can you use solubility table to develop an 'experiment' to precipitate out different ions (qualitative analysis)

### Write neutralization reactions

- Calculate neutralization reactions (strong acid and strong base)

### Redox reactions

- Can you identify redox reactions?
- Can you identify the: reduced, oxidized, oxidizing agent, reducing agent? What is the difference between the two?
- Assign oxidation numbers

### Balancing with redox reactions

- Can you balance with the oxidation number method?
- Can you balance with half reaction in an acidic solution?
- Can you balance with half reaction in a basic solution?

**If you can do all of this, then you are good to go!**