

CHM 1045 Exam 2 Review Sheet

Study the following:

- Using solubility rules to determine if a product will precipitate.
Review the [Solubility Rules](#) and example 4.01.
- Writing balanced molecular, complete ionic, and net ionic equations.
Review examples 4.02 and 4.03.
- Writing equations for acid-base neutralizations.
Review examples 4.05 and 4.06.
- Determining oxidation numbers from formula units, and vice-versa.
Review example 4.07.
- Writing half-cell reactions, and balancing net redox reactions.
Review example 4.08.
- Determining moles in a solution using volume and concentration.
Review example 4.14.
- Determining molarity of a diluted solution.
Review examples 4.11 and 4.13.
- Calculating parameters involved with the combined gas law.
Review examples 5.02, 5.03, and 5.04.
- Using the ideal gas law to determine moles and molar masses.
Review examples 5.06 and 5.08.
- Determining mole fractions and partial pressures.
Review example 5.10.
- Applying the Van der Waal's equation to find the pressure of a real gas.
Review example 5.14.