Below is a list of key topics to be comfortable with for the final exam. Details of these topics may be found on the Learning Objectives sheet.

Significant figures
Formula writing
Naming compounds
Assigning oxidation numbers
Empirical and molecular formulas
Stoichiometry
  g – mol – molecule conversions
  Calculations based on chemical equations including limiting reactant and solutions
  Application of molarity
Thermochemistry – Hess’s Law, finding enthalpy of reactions
Electron configurations
Rating of atomic radius, ionic radius, ionization energy, electron affinity, and electronegativity
  based on location in the periodic chart
Using Lewis structures to determine information about a molecule
Gas laws – P, V, n, T relationships and use in chemical reaction problems (stoichiometry)