Covers chapters 3, 4, 5 & 6

Chapter 3

* States of matter
* Physical/chemical change
* Heterogeneous/homogeneous mixtures
* Separation techniques
* Percent mass
* Elements – name/symbol

Chapter 4

* Dalton’s atomic theory
* Know the gentlemen that led to the discovery of the subatomic particles. You will be asked for their name, experiment (except for the neutron), and what subatomic particle they discovered
* Atom, proton, neutron, electron, nucleus
* Be able to calculate
  + Average atomic mass
  + Mass number
  + Number of neutrons
  + Number of electrons
    - With the +/- charges & what that means with the number of electrons
* Use your periodic table to find information

Chapter 5

* Electromagnetic spectrum
* Atomic emission spectra
* Atomic orbital
* n
* Ground/excited state
* Electron configuration
* Aufbau principle
* Pauli’s exclusion principle
* Hund’s rule
* Valence electrons
* Lewis dot structures

Chapter 6

* Families on the periodic table
* Trends on the periodic table
* Ion
* Octet/duet rule