Study Guide for Nuclear Chemistry Test

Be able to:

* Define an isotope and recognize examples of isotopes
* Define fusion and fission and recognize examples
* Know the differences between alpha, beta and gamma radiation
  + Which is the most penetrating
  + Which is the heaviest
  + What do they look like
* Calculate half-life and use a graph to determine the half-life of a substance
* Calculate the number of protons neutrons and electrons for an isotope using its mass number and the periodic table.
* Calculate average atomic mass