# Learning Objectives: ANSI/ASNT CP-105- 2016 Section 1 & 2

Upon completion of this unit, the student will be able to define, understand and apply the following:

* Ionizing Radiation
* Alpha, Beta, Gamma Review
  + Isotope vs. Radioisotope
* ALARA
* Time, Distance, Shielding
* Radiation Intensity & Units
* Basic Atomic Theory
  + Elements & Atoms
  + Molecules & compounds
  + Atomic Particles, number, weight, structure

**Learning Activities:**

* + Lecture and discussion
  + PowerPoint of Basic Atomic Theory
  + Radiation Safety Article Review #1
  + Radiation Safety Article Review #2
  + Flash-Cards

**Learning Resources:**

* + Units of measurement handout
  + Glossary

**Evaluation:**

* + Article Reviews