

AP Chemistry Unit 1: The Drowned Business Man
AP Chemistry Essential Knowledge (College Board 2013):

- 1.A.1: Molecules are composed of specific combinations of atoms; different molecules are composed of combinations of different elements and of combinations of the same elements in differing amounts and proportions.
 - Distinguish among elements compounds and mixtures
 - Memorize symbols of common elements and metric prefixes

- 1.A.2: Chemical analysis provides a method for determining the relative number of atoms in a substance, which can be used to identify the substance or determine its purity.
 - Distinguish between accuracy and precision
 - define and differentiate between Celsius and Kelvin
 - physical and chemical processes can be depicted symbolically

- 1.D.3: The interaction of electromagnetic waves or light with matter is a powerful means to probe the structure of atoms and molecules, and to measure their concentration.

- 2.A.1: The different properties of solids and liquids can be explained by differences in their structures, both at the particulate level and in their supramolecular structures.

- 2.A.3: Solutions are homogenous mixtures in which the physical properties are dependent on the concentration of the solute and the strengths of all interactions among the particles of the solutes and solvent.