

# Download An Atoms First Approach To The General Chemistry Laboratory

The history of chemistry represents a time span from ancient history to the present. By 1000 BC, civilizations used technologies that would eventually form the basis of the various branches of chemistry. A Pedagogical Philosophy. a.k.a. A Guide to General Chemistry. The following was originally meant as a guide to help students get into the right mindset for studying general chemistry as I (M.A.Freitag) present it, but over the years it has evolved into a general explanation of how I approach the courses I teach. Chemistry is the scientific discipline involved with elements and compounds composed of atoms, molecules and ions: their composition, structure, properties, behavior and the changes they undergo during a reaction with other substances. Boiling it down to the basics. At the most fundamental level, chemistry can be organized along the lines shown here. Dynamics refers to the details of that rearrangements of atoms that occur during chemical change, and that strongly affect the rate at which change occurs.