Atomic Structure > Definitions -> Elements and atoms -> Element is a species that cannot be broken down by chemical means -> Elements are made up of atoms. Each element is composed of a unique type of atom. Atoms are particles that cannot be broken down by chemical means. > Structure of an atom -> atom consists of a nucleus surrounded by electron shells -> The nucleus is made up of protons, which are thely charged, and neutrons, which are neutral and have no change -> The e shells are composed of electrons that revolve around the tucleus. electrons are -vely charged.  $\bigcirc$ - In an atom no. of protons = no. of electrons -> The proton number is the atomic number -> The sum of no. of protons and neutrons is the mass or nucleon number -> To calculate the number of electrons that can be there in a shell we use  $2n^2$ where n is the shell number.

