



Elements The atomic number (Z, # protons, p+) can be used to identify the type of element being studied on the periodic table Atomic number 26 Chemical symbol Fe Element name Iron Atomic mass 55.847

Isotopes

Atoms can commonly have more than one ratio of protons and neutrons that are stable. The equations below will help calculate the number of each subatomic particle in an isotope of an element

Atomic Number = # Protons (p⁺) [Type of Atom]

Protons (p⁺) = # Electrons (e⁻) [Atoms Neutral]

Mass Number = # Protons + # Neutrons [Isotope Mass]

Neutrons (n°) = Mass Number - Atomic Number

4

1