

Isotopes

Elements of an atom that have the same number of protons and electrons but different number of neutrons are called isotopes.

Symbol	Name of isotope	Atomic Mass amu or u	Number of Protons	Number of Neutrons	Is it the most common isotope? Y/N
Mg	Magnesium-24	24.305 (on periodic table) rounded to nearest whole number = 24 u	atomic number is 12, therefore has 12 protons	$24 - 12 = 12$ there are 12 neutrons	The atomic weight on the periodic table when rounded to the nearest whole number is the same as the number in the isotope name. Therefore YES it is the most common isotope.
F		18.998			
	Uranium - 235				N
	Nitrogen-15				
Be		9.012			
		144.21	58		
			8	8	Y
C		14.004			
Rb					Y