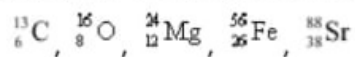


Related Problems

How many neutrons and protons are there in the following nuclei?



${}^{13}_6\text{C}$:

Atomic mass = 13

Atomic number = Number of protons = 6

Number of neutrons = (Atomic mass) - (Atomic number)
= 13 - 6 = 7

${}^{16}_8\text{O}$:

Atomic mass = 16

Atomic number = 8

Number of protons = 8

Number of neutrons = (Atomic mass) - (Atomic number)
= 16 - 8 = 8

${}^{24}_{12}\text{Mg}$:

Atomic mass = 24

Atomic number = Number of protons = 12

Number of neutrons = (Atomic mass) - (Atomic number)
= 24 - 12 = 12

${}^{56}_{26}\text{Fe}$:

Atomic mass = 56

Atomic number = Number of protons = 26

Number of neutrons = (Atomic mass) - (Atomic number)
= 56 - 26 = 30

${}^{88}_{38}\text{Sr}$:

Atomic mass = 88

Atomic number = Number of protons = 38

Number of neutrons = (Atomic mass) - (Atomic number)
= 88 - 38 = 50