

Exercise 2.13– AZE nomenclature

Q213-01 How many protons are present in the ${}^{11}_{5}\text{B}$ atom

Q213-02 How many electrons are present in the ${}^{27}_{13}\text{Al}$ atom

Q213-03 How many neutrons are present in the ${}^{40}_{20}\text{Ar}$ atom

Q213-04 The ${}^{99}_{43}\text{Tc}$ atom is used in medical tracer treatment of bone disorders (amongst other things). How many neutrons does each technetium atom contain?

Q213-05 An ion with 5 protons, 6 neutrons, and a charge of 3+ has an atomic number of:
A. 5
B. 6
C. 8
D. 11

Q213-06 One ${}^{40}\text{Ca}^{2+}$ ion contains:
A. 2 protons
B. 18 electrons
C. 21 neutrons
D. 2 electrons

Q213-07 The symbol for a particular magnesium ion is ${}^{24}\text{Mg}^{2+}$. The number of electrons contained is one of these ions is:
A. 2
B. 10
C. 12
D. 22

Q213-08 How many neutrons are present in the ${}^{90}_{37}\text{Sr}^{2+}$ ion?

Q213-09 How many electrons are present in the ${}^{60}_{27}\text{Co}^{3+}$ ion?

Q213-10 How many neutrons are present in the ${}^{39}_{19}\text{K}$ atom?
