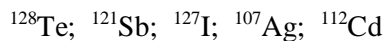


"TRY YOURSELF" QUESTIONS FROM STUDY SECTION 2.1

Try Yourself 2.1

Which one of the following atoms contains the largest number of protons?



Try Yourself 2.2

Give the mass number of: a) a Nickel atom with 31 neutrons; b) a Bismuth atom with 127 neutrons and c) a Tantalum atom with 110 neutrons.

Try Yourself 2.3

What is the mass of the He-atom relative to the carbon atom?

Given: 1He-atom = 6.6466×10^{-27} kg (real mass) **Scale:** 1 amu = 1.6606×10^{-27} kg

Try Yourself 2.4

What is the mass in kg of an oxygen atom?

Given: Relative mass of O = 16 amu **Scale:** 1 amu \equiv 1.6606×10^{-27} kg