Name:_____ Period:_____

Isotope Practice

1. Here are three isotopes of an element: $^{12}_{6}C$ $^{13}_{6}C$ $^{14}_{6}C$

   a. The element is: _____

   b. The number 6 refers to the _____

   c. The numbers 12, 13, and 14 refer to the _____

   d. How many protons and neutrons are in the first isotope? _____

   e. How many protons and neutrons are in the second isotope? _____

   f. How many protons and neutrons are in the third isotope? _____

2. A common way of writing the name of an isotope is to put the mass number after the name, For the isotopes above the names would be; Carbon-12, Carbon-13 and Carbon-14

   Use this knowledge to complete the following chart

Isotope name	atomic #	mass #	# of protons	# of neutrons	# of electrons
Potassium-37					
Oxygen-17					
uranium-235					
uranium-238					
boron-10					
boron-11					