

General Chemistry
Mr. MacGillivray
Quiz #8:
Atomic Structure and Calculations

Complete the table. All atoms are neutral. You may use a periodic table.

Element Name	Element Symbol	Atomic Number (Z)	Number of Protons	Number of Electrons	Number of Neutrons	Mass Number
Oxygen					10	
	C					14
				92		235
			35		52	
		1			1	

Explain the difference between mass number and atomic mass.

What is different about the composition of O-16 and -18?

What is the same about the composition of O-16 and O-18?

Which isotope of oxygen is probably most abundant? Explain your reasoning.

