General Chemistry Mr. MacGillivray Atomic Structure Worksheet

	1.	The number of protons in the nucleus of an atom of a particular element is
		called the Atomic Number of that element.
		In a neutral element, the number of protons must equal the number of
	3.	The mass number of an atom is the sum of the and the
		Wev Trous in the nucleus of an atom.
	4.	Atoms of an element that have the same number of protons but different
		numbers of neutrons are said to be different isotopes of that
		element.
	F	26#5
\downarrow	5	55.847 #7
	5.	The number "26" is the
		The symbol "Fe" stands for the name of this element:
	7.	The number "55.847" is theatomic Mass_ of the element Fe.
		There are three isotopes of hydrogen: H-1, H-2, and H-3. The average mass of a hydrogen atom is 1.0079 (check this on the periodic table). Which of these three isotopes above is probably the most common? Why? H-1, because the average mass of H atoms (1.0079) is closest to one
	5. 91 2.	Examine the abundance of Fe isotopes: 8% Fe-54 1.8% Fe-56 1% of Fe-57 28% of Fe-58
⊃ L	ook ND	at the atomic mass of Fe again. Why do you think it is so close to 56 amu? e curse Fe-56 15 fue Most abundant 15otope.
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