Now let's try some Homework Questions:

1.	The total number of electrons in a neutral atom of every element is always equal to the atom's							
	(1)	(1) mass number		(3) number of j				
	(2)	number of neutrons	s (4)	number of nucleons				
2.	The mass of an electron is approximately equal to $\frac{1}{1836}$ of the mass of							
	(1)	a positron (2) a proton	(3) a b	eta pai	ticle (4) an alpha j	oarticle	
3.	Which particle has a mass of approximately one atomic mass unit and a unit positive charge?							
	(1)	a neutron		(3)		a particle		
	(2)	a proton		(4)	an al _l	pha particle		
4.	The atomic number of an atom is equal to the number of							
	(1)	neutrons in the atom (3) neutrons plus protons in the atom						
	(2)	protons in the atom (4) protons plus electrons in the atom						
5.	Compared to the entire atom, the nucleus of the atom is							
	(1)	smaller and contains most of the atom's mass						
	(2)	smaller and contains little of the atom's mass						
	(3)	larger and contains most of the atom's mass						
	(4)	larger and contains little of the atom's mass						
6.	The mass number of an atom is always equal to the total number of its							
	(1)	electrons only		electrons plus protons				
	(2)	protons only	(4)	protons plus neutrons				
		12	27					
7.	The nucleus of an atom of 53 I contains							
	(1)							
	(2)							
	(3)	53 protons and 74 neutrons						
	(4) 53 protons and 74 electrons							
8.	What is the mass number of an atom which contains 21 electrons, 21 protons and 24 neutrons?							
	(1)	21 (2) 42		45	(4)	66		
9.	Which of the following particles has the <i>least</i> mass?							
-	(1)	an electron (2			(3)	a deuteron	(3)	a neutron