CH 221 Sample Quiz #2 Name:					Lab Section:	
Be sure to show all	work, use the correct number of	significant figures, circle final	answers and use	e correct ı	units in all problems.	
1. Complete the m	nissing information in the followi	ng table: (5 points)				
Element name	Element Symbol	Atomic Number	Number of protons		Number of electrons in neutral atom	
			37			
		7				
	Sc					
Potassium						
2. True or false?	Circle your answer. (5 points)					
Marie Curie discovered the charge-to-mass ratio for an electron.				false		
The proton has a positive charge.				false		
Gamma rays are deflected easily by clothing.			true	false		
John Dalton discovered the neutron.				false		
A lithium atom usually has three protons and three neutrons in the nucleus.			s. true	false		
3. Short answer. ((5 points)					
What is the mass number of an atom of cobalt with 30 neutrons?						
Which part	cicle has the smallest mass: proto	on, neutron, or electron				

4. Calculate the atomic number and mass number for an atom with 38 protons, 41 neutrons and 36 electrons. What element is it? What is the atom's symbol? Give the symbol for this isotope in the form ^A_ZX. Is this atom electrically neutral? Explain. (5 points)

Which radioactive decay particle is a helium nucleus: alpha, beta, or gamma

How many electrons in a neutral atom of iodine?

How many protons are present in $^{79}_{34}\,\text{Se}?$