

Atomic Structure

Name - _____

1.) When dealing with a full atomic symbol as in the example below, what do we call the three letters - a,

b, c?
$${}^a_bX^c$$

2.) Using the periodic table for help, fill in the following chart for the sub-parts of the following atoms.

Symbol	Atomic Mass	Atomic Number	Number of Protons	Number of Neutrons	Number of Electrons	Full Atomic Symbol
	36	18			18	
Ag				61		
Al	27					
			33	42	33	
	210	85			85	
		79		118	79	
X ²⁺ =	227				87	
X ³⁺ =		95		148		

3.) Using the periodic table for help, fill in the following chart for the sub-parts of the following isotopes.

Symbol	Number of Protons	Number of Neutrons	Number of Electrons	Full Atomic Symbol
Cl-36		19		
	29	33		
		34	27	
				${}^{49}_{24}\text{Cr}$
Ca-42		22		
	48	60		
X ²⁺ = Cs		80		