

Structure of the Atom

Name: _____

Period: _____

1. What does the atomic number tell you about an element? _____
2. What does the mass number tell you about an element? _____
3. An atom contains 7 electrons. How many protons does it contain and what is the name of that atom? #p+ _____ Name _____
4. An atom of silver contains 60 neutrons. What is the mass number? _____
5. An atom has an atomic number of 37. What is the element? _____
6. Complete the following table:

Isotopic notation	Atomic #	Mass #	Protons	Neutrons	Electrons
$^{209}_{83}\text{Bi}$		209			
	56	138			56
$^{121}_{51}\text{Sn}$				70	
—_Kr		84			
$^{40}_{\text{—}}\text{Ca}^{2+}$					
—_ $^{1+}$	47			61	
—_W				110	
—_		235		143	92
		52	24		24
—_O $^{2-}$				8	
—_Br —		81			36