

## 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	
$^{84}_{36}\text{Kr}$		84			
$^{40}_{19}\text{Ca}^{2+}$					
$^{47}_{19}\text{K}^+$	47			61	
$^{110}_{40}\text{W}$				110	
$^{235}_{92}\text{U}$		235		143	92
		52	24		24
$^{8} _{8}\text{O}^{2-}$				8	
$^{81}_{35}\text{Br}$		81			36