

AP Chemistry II  
Isotopes (Nuclides) Of Elements And Their Components

Name \_\_\_\_\_  
Date \_\_\_\_\_  
Hour \_\_\_\_\_

Hyphen Notation	Nuclear Symbol	Atomic Number	Mass Number	# of Protons	# of Neutrons	# of Electrons
Uranium-235						
					12	11
Magnesium-24						
		13			14	
	$^{28}_{14}\text{Si}$					
Phosphorus-31						
			32	16		
			35			17
		20	40			
Cesium-133						
	$^{55}_{26}\text{Fe}$					
	$^{57}_{26}\text{Fe}$					

# IONS

Hyphen Notation	Nuclear Symbol	Atomic Number	Mass Number	# of Protons	# of Neutrons	# of Electrons
Uranium-235						86
			27		12	12
Magnesium-24 (+2)						
		13			14	10
	${}_{14}^{28}\text{Si}^{+4}$					
Phosphorus-31 (-3)						
			32	16		18
		17	35			17
		20	40			18
Cesium-133						54
	${}_{26}^{55}\text{Fe}^{+3}$					
	${}_{26}^{57}\text{Fe}^{+2}$					