

Name _____

date _____

Atomic Symbols

For each symbol write the name of the element, and the number of protons, neutrons, and electrons.

SYMBOL	PROTONS	NEUTRONS	ELECTRONS	ELEMENT NAME
$^{14}_6\text{C}$				
$^{12}_6\text{C}$				
^1_1H				
$^{15}_7\text{N}$				
$^{15}_7\text{N}^{-2}$				
$^{15}_7\text{N}^{-3}$				
$^{18}_8\text{O}$				
$^{18}_8\text{O}^{-2}$				
^7_3Li				
$^7_3\text{Li}^{+1}$				
$^{235}_{92}\text{U}$				
$^{238}_{92}\text{U}$				

Fill in the following chart.

Element name	Nuclear Symbol	Atomic Number	Mass Number	Protons	Neutrons	Electrons
	$^{35}_{17}\text{Cl}$					
Francium				87		
		38			52	
						10
				47		
				1	1	
	^4_2He					

$^{15}_7\text{N}^{-2}$ and $^{15}_7\text{N}^{-3}$ are _____ of the same element. They have the same number of

_____ and _____, but different numbers of _____.

$^{18}_8\text{O}$ and $^{16}_8\text{O}$ are _____ of the same element. They have the same number

of _____ and _____, but different numbers of

_____.