

# Day 6

L. Knight  
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Name Key

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
$^{14}_6\text{C}$	6	$14 - 6 = 8$	6	carbon-14
$^{12}_6\text{C}$	6	$12 - 6 = 6$	6	carbon-12
$^1_1\text{H}$	1	$1 - 1 = 0$	1	hydrogen-1
$^{15}_7\text{N}$	7	$15 - 7 = 8$	7	nitrogen-15
$^{15}_7\text{N}^{-2}$	7	$15 - 7 = 8$	9	nitrogen-15
$^{15}_7\text{N}^{-3}$	7	$15 - 7 = 8$	10	nitrogen-15
$^{18}_8\text{O}$	8	$18 - 8 = 10$	8	oxygen-18
$^{18}_8\text{O}^{-2}$	8	$18 - 8 = 10$	10	oxygen-18
$^7_3\text{Li}$	3	$7 - 3 = 4$	3	Lithium-7
$^7_3\text{Li}^{+1}$	3	$7 - 3 = 4$	2	Lithium-7
$^{235}_{92}\text{U}$	92	$235 - 92 = 143$	92	uranium-235
$^{238}_{92}\text{U}$	92	$238 - 92 = 146$	92	uranium-238