

Atomic Structure Practice

Name _____ Period _____ Date _____

The following table contains information about several elements and their different forms called isotopes. Use this table to review the concepts of atomic number, mass number, protons, neutrons and electrons and fill in the blank boxes with the correct information.

Element	Symbol	Atomic Number	Mass Number	# Protons	# Neutrons	# Electrons
Hydrogen - 1		1		1		1
	${}^1_1\text{H}$			1	0	
Aluminum - 27			27			13
					14	14
Carbon - 12		6			6	
Helium - 4		2	4			
	${}^4_2\text{He}$	2	4	2		
Lithium - 7 (7 - 3 neutrons)						
	${}^7_3\text{Li}$		7			
					4	3
Magnesium - 24 (12 - 12 neutrons)			24			
				12	12	
				12	12	12
+2 cation						
Neon - 20 (10 - 10 neutrons)						
	${}^{20}_{10}\text{Ne}$					
Mercury - 200						
			200			
				80		