

$$n^{\circ} = \text{Mass \#} - \text{Atomic \#} \quad \text{Mass \#} = p^{+} + n^{\circ}$$

Name Selected Answers Period _____

College Prep Chemistry of the Earth System

Assignment 1E - Subatomic Particles and the Periodic Table

20 Points

Complete the following chart based on the periodic table. Show work for the number of neutrons and the mass number. No Work = No Credit

Atomic Name	Atomic Symbol	Atomic number	Protons	Neutrons (Show Work)	Electrons	Mass Number (Show Work)
Boron	B	5 <i>element</i>	5	6 <i>Find n°</i>	5	6 + 5 = 11
<i>1 ✗</i> <i>1 ✗</i> Sodium	Na	11	11	$23 - 11 = 12$	11	23
<i>same</i> Gallium	Ga	31	31	37	31	$31 + 37 = 68$
Yttrium	Y	39				<i>Find mass #</i>
<i>Silicon</i> Si	Si	14		29		
	Mg					25
			7	15		
Bromine						79
				41	18	
	S					32
Aluminum				14		