

Name _____ Period _____

College Prep Chemistry of the Earth System

Assignment 1G - 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

Handwritten notes above the table:
 P^+ and e^- * $M\# - A\#$ $P^+ + n^0$

Atomic Name	Atomic Symbol	Atomic number	p^+	n^0	e^-	Mass Number
Boron	B	5	5	6	5	11
Sodium	Na	<u>11</u> *	11*	$23 - 11 = 12$	11*	23
gallium	Ga	31*	31*	37	31*	$31 + 37 = 68$
yttrium	Y	39	39	$89 - 39 = 50$	39	89
Silicon	Si	14	14	29	14	$14 + 29 = 43$
	Mg					25
			7	15		
Bromine						79
				41	18	
	S					32
Aluminum				14		

Periodic Table