Honors Physical Science Periodic table review Name: Period:

Key-may

Multiple Choice Identify the letter of the choice that best completes the statement or answers the question.									
a b.)_ 1. metal nonmetal	Each row in the periodic table ends with a c. metalloid d. noble gas							
	2. increases decreases	In going from left to right in any given row in the periodic table, the size of atoms generally c. stays the same d. changes randomly							
b. c.	3. always large always sma larger in soi the same si	me cases and smaller in others							
<u>B</u> a.	4. larger than smaller than	·							
a. b.	5. larger than smaller than	Bromine is a typical nonmetal. A bromide ion is a bromine atom. (ion) c. the same size as d. impossible to compare with							
a.	6. halogens noble gases	The most unreactive group of elements is the c. alkali metals d. transition elements							
Matching Match each item with the correct statement below. a. alkali metal b. alkaline earth metal c. halogen									
\mathcal{L}	<u> </u>	Fluorine, bromine, or iodine							
A	8.	An element found in Group 1 of the periodic table							
<u>B</u>	9.	In compounds, has an oxidation number of 2+							
A	10.	Sodium or cesium							
\subseteq	11.	In compounds, has an oxidation number of 1-							
<u>C</u>	12.	An element found in Group 17							
K	13.	Magnesium or barium							
4	14.	In compounds, has an oxidation number of 1+							
K	15.	An element found in Group 2							
<u>t</u>	16.	Strontium, which is identified by the red color of fireworks							
(17	Astatine is the largest of this family							

18.	What property did	Mendeleev use to	put elements in the	e same column	on his periodic ta	ble?		
	increa	asing a	tomicn	nass, s	imilar	props 1		
19.	What do elements	hat do elements in the same period of the periodic table have in common?						
	Same # energy levels							
					•			
20.	What do elements		-	ible have in com	imon?			
	same #	valence	e					
21.	Tell if each of the f			oid, or nonmetal.				
Calciur		Sulfur	Bromine	Chromium	Arsenic Alumir	num		
Meta	Metalloid	NON	NON	Metal N	retalloid Me	tal		
			•		1-11/0/6/			
22.	List 3 properties of metals							
	Shiny, ductile, malleable, good conductors, solid*, have							
23.	List 3 properties of	f nonmetals	onmetals					
	brittle, poor conductors, gas *							
	· 1		CTOPS, 94	-				
24.	Complete the table							
	Element name	Group	Metal, metalloid		Charge of ion			
		number	or nonmetal	outer electrons				
	Sodium	A	Metal	CICCHONS	+1			
	Calcium	2 A	Metal	2	+2			
	Aluminum	3 A	metal	3	+3			
	Nitrogen	5.A	non	5	-3			
	Sulfur	6A	NON	10	-2			
	Fluorine	<u>JA</u>	NAN	7	-1			
	Neon	- 8A	Non	8				
25	25. Why do metals have less attraction for their outer electrons than nonmetals?							
25.	their outer energy level is far from filled 30 they'd rather give them							
	their or	iter enei	194 leve	1 1star	trom			
	filled	SD thou	antho	V ALLE	them			
00				7 9100	171011			
26.	Tell which elemen	it atom is larger an	d why.	00	,	1 .		
1pt sve	Magnesium and P	hosphorus	wer elect	ron att	initu th	at is		
attraction	L VICTURE	n't attract	b o-as had	WID CA H	new ave	larger (M		
CHICKITORY	Chlorine and lodin	ie)	LE OF INC	CVI 30 II		ich of C		
	lodine.	has more.	layors /E	levels of	e-10	so larger		
	TO CATIVIO	. 10(3.17 (01-0	ingers/o			larger (M so larger		
27.								
28.	Why are negative	ions larger than th	e atoms they were	created from?	the e-	e tightly ho lonto the		
	nea ions t	rave more e	2- & the n	ucleus.	an It hoold	louto the		
COMP	LETE THE FOLLO	WING CHART	ctra e- no	brai. 11				
			(1) C ()	TIGNATIL				
Name	Symbol	# Protons	# Neutrons	# Electrons	Atomic	Atomic Mass		
0.1.				7	Number			
Carbon	1 5	30	9	10	20	10		
7100	720	17	10	<u> 50</u>	30	(05)		
Chlorine	Au	79	16	79	179	133		
Helium	The second	 			1-12	4		
TE TIVIV			<i>A</i>		-			

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Short Answer