Study Guide for Content Mastery

CHAP <sup>.</sup>		ST	LIDY C	WDF F		Class NTENT MASTE
he	Perio	odic	Tabl	e and	l Pe	riodic Law
your tex	tbook, read	ls about th	e history of	the periodic	table's de	Periodic Table
octaves elements		atomic mass properties		nplete the pa ato Her		
protons		periodic law		Dm	eleev accepte	
e law of (		ctaves	Accord	ling to this la	w, the proj	n a relationship called perties of the elements ole, element two and
ement <b>(3)</b>	ni	ine	_ have simi		. The law	of octaves did not work
1	2	3	4	5	6	7
н	Li	G	Во	С	N	0
8	9	10	11	12	13	14
F	Na	Mg	Al	Si	P	S
ements w	ere arranged	l according that the exis	to increasing	g (6) ato	mic mas	Eleev . In his table, the . One important
<sub>3) aton</sub>	nic numbe	er, as a r	esult of the		Henry I	Moseley . This
rangemen	t is based or	n number o	f (10)	protons	in th	ne nucleus of an atom of
			•	table results i		
1) pe	eriodic lav	v, whi	ch states tha	t when eleme	nts are arr	anged according to
creasing a	ntomic numb	ber, there is	a periodic r	epetition of the	neir chemi	cal and physical

Chemistry: Matter and Change • Chapter 6 31

		Date	Class			
HAPTER 6	STUDY GI	JIDE FOR CO	NTENT MAS			
ction 6.1 continued						
	about the modern periodic table		1.4.4			
le on the right.	the box on the left taken from th	ie periodic table to	complete the			
7	Atomic Mass	13. 14.007 u	1			
N	Atomic Number	14. 7	-			
Nitrogen	Electron Configuration	15. [He]2s <sup>2</sup> 2	!p <sup>3</sup>			
14.007	Chemical Name	16. Nitrogei				
[He]2s <sup>2</sup> 2p <sup>3</sup>	Chemical Symbol	17. N				
a cook itom in Colum	nn A, write the letter of the mate	hina itam in Calun	D			
r each item in Colum	Column A	aning item in Colum	ии в. Column B			
b 18. A column	on the periodic table	<b>a</b> . r	netals			
c 19. A row on 1	•		group			
d 20. Group A e			period			
_		•				
	hat are shiny and conduct electric	-	epresentative elements			
<b>e 22.</b> Group B e	lements	<b>e.</b> t	ransition elements			
the space at the left,	write true if the statement is tru	e; if the statement	is false,			
0	ord or phrase to make it true.					
	<b>23.</b> There are <i>two</i> main classific	ations of elements.				
metals	More than three-fourths of the elements in the periodic table are nonmetals.					
true	25. Group 1A elements (except for hydrogen) are known as the alkali metals.					
Group 2A	<b>26.</b> Group 3A elements are the a	alkaline earth metals				
true	<b>27.</b> Group 7A elements are high <i>halogens</i> .	ly reactive nonmeta	ls known as			
noble gases	<b>28.</b> Group 8A elements are very <i>transition metals</i> .	unreactive element	s known as			

Study Guide for Content Mastery

Chemistry: Matter and Change • Chapter 6