Name Date Class _							
Introduction to Matter • Key Terms							
Key Terms							
Complete the following word or phrase may be		e list of words and phr	ases below. Each				
atoms	heterogeneous	physical	density				
molecule	elements	weight	mixture				
homogeneous	mass	chemical bond	compound				
matter	substance	chemistry	volume				
chemical							
The study of the pro	marting of matter an	d have matter change	og ig				
1	-						
has mass and takes t							
kind of matter that is	-						
Every form of matte	•		r				
4	_	_	out changing				
the substance into a							
property describes the	he ability of a subst	ance to change into c	lifferent sub-				
stances.							
Ti de la collection			commat ha haa				
The simplest substarken down into any o							
stance made of two							
7							
two or more substan							
bined. You can see the different parts in a 9 mix-ture. But the substances in a 10 are so evenly							
mixed that you can't see the different parts.							
TI bestementals of	alamanetia gallad	a/m) 11					
The basic particle of Atoms can combine							
together is called a(n) 12. A group of atoms that are joined together by chemical bonds form a larger particle called a(n)							
13							
	 :						
There are all sorts of							
gravity on an object is its 14 The measurement							
of how much matter an object contains is its 15							
The amount of space that matter occupies is 16							
The physical proper			object or mate-				
rial is 17							

Naı	ne						Da	te		_			Class	 	_
Sol	ids, Liquid	ds, a	nd G	ases	•	Key	Term	าร							
Ke	y Ter	ms													
hida	d the clues len in the p ronally.														
1.	The force area of the				surf	ace d	ivid€	ed by	the		-				
2.	The change from a liquid to a gas														
3.	. A state of matter with no definite shape or volume														
4.	A substance that flows														
5.	The resistance of a liquid to flowing														
6.	Vaporization that occurs on and below the surface of a liquid														
7.	. A state of matter that has a definite volume but no shape of its own														
8.	The change in state from a liquid to a solid														
9.	A state of			nat h	as a	defin	ite vo	olum	e and	1	_				
10.	The chan	ge ir	stat	e froi	m a s	solid	to a l	iquio	ł		_				
11.	A diagram that tells how two variables are related														
		V	а	р	0	r	î	z	a	t	ĭ	0	n		
		i	u	r	1	m	ĺ	i	q	u	i	d	f		
		S	s	e e	n	e	у	q	i	d	X	g	r		
		_	_	_	_	ī	:	ا ا			-	<u>ت</u> م			

Name		Date	Class					
Elements and the Periodic Ta	able	Review and Reinforce						
Introduction to Atoms								
Understanding Ideas 1. Name three particles four	nd in	an atom.						
2. Which two particles are f	Which two particles are found in an atom's nucleus?							
3. An atom has the same nu	An atom has the same number of which two particles?							
4. How many protons are in a carbon atom?								
5. How are elements identif	5. How are elements identified in terms of their atoms?							
6. Explain why scientists us	e mo	dels to study atoms.						
Building Vocabulary <i>Match each term with its definit the line beside the term in the lef</i>	-	writing the letter of the correct de	efinition on					
7. nucleus 8. proton	a.	the sum of protons and neutro an atom	ns in the nucleus of					
9. neutron	b.	the very small center core of ar	n atom					
10. electron	c.	an atom that differs in the num has the same number of proton						
11. atomic number 12. isotope	d.	the particle of an atom that mo	ves rapidly around					
13. mass number 14. model	an object that helps expain ide world	as about the natural						
	f.	the particle of an atom with a p	oositive charge					
	g.	the number of protons in the noof an element	ucleus of every atom					
	h.	the particle of an atom that is r	neutral					

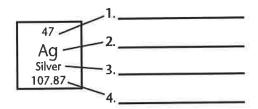
Name Date Class	Name	Date	Class
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Elements and the Periodic Table Review and Reinforce

Organizing the Elements

Understanding Main Ideas

The diagram below is a square from the periodic table. Label the four facts shown about each element.



Answer the following on a separate sheet of paper.

- 5. In what order did Mendeleev arrange the elements in the periodic table?
- 6. What do elements in the same column in the periodic table have in common?
- 7. What can you predict about an element from its position in the periodic table?

Building Vocabulary

From the list below, choose the term that best completes each sentence.

atomic mass period chemical symbol group periodic table

8.	An element's	is its row in the periodic table
9.	Mendeleev was the first to arra	nge elements according to their
	properties in a(n)	 :
10.	Elements in a(n)	, or family, of the periodic
	table have similar characteristic	S.
11.	A(n)	_ is an abbreviation for the name of an
	element and has either one or t	wo letters.
12.	The	of an element is the average mass of all
	the isotopes of that element.	