Name	Class	Date	

Assessment )

## **Atoms: The Building Blocks of Matter**

## Section Quiz: The Atom: From Philosophical Idea to Scientific Theory

In the space provided, write the letter of the correct term or phrase that best completes each statement or best answers each question.

completes	each statem	ent or best answei	rs each question.	
1	<ul><li>a. contain n</li><li>b. cannot be</li></ul>	e broken down fur mposed of carbon	ther.	
2	observed the reaction. The a. definite p. b. gravity. c. conserva	at mass is neither is scientific law is	called the law of	e 1700s, chemists byed in a chemical
3	salt, also kn sodium, Na, the percenta home. Rach <b>a.</b> 39.34%. <b>b.</b> 60.66%. <b>c.</b> 90%.	own as sodium ch and 60.66% by ma	loride, NaCl, cons ass chlorine, Cl. La e in the table salt in etly, that it is	t their sample of table ists of 39.34% by mass iter, Alex wonders what n his saltshaker at
4	contains the is known as <b>a.</b> conserva	e same elements in the law of tion of energy. tion of mass. neory.	a particular chemi n exactly the same	ical compound proportions by mass
5	molecule of 1 g of carbon	carbon dioxide, Con, 1.33 g of oxygen	$O_2$ , has two. In a satisfies will combine with	om of oxygen while a cample of CO containing a the carbon to form the e of $CO_2$ containing 1 g <b>d.</b> 0.0 g

Name		Class	Date
Section	n Quiz, continued		General A
	the ratio of the mas certain mass of the	ses of the second element first element is always a ement is called the law of ions. mass.	
Sept.	<ul><li>following is not par</li><li>a. All matter is cor</li><li>b. An atom consist</li><li>c. Atoms cannot be</li></ul>	on established his atomic rt of Dalton's atomic the inposed of atoms. is of a nucleus and a clo e subdivided, created, of ctions, atoms are combin	eory? ud of electrons. r destroyed.
	<ul><li>conservation of ma</li><li>a. All matter is con</li><li>b. Atoms of a given properties.</li><li>c. Atoms cannot be</li><li>d. Atoms of different</li></ul>	uss?	r destroyed. ombine in simple
	<ul><li>the law of multiple</li><li>a. All matter is con</li><li>b. Atoms of a giver properties.</li><li>c. Atoms cannot be</li><li>d. Atoms of different</li></ul>	proportions?	r destroyed. ombine in simple
1	<ul><li>incorrect?</li><li>a. Atoms can chan</li><li>b. Atoms can be sp</li><li>c. Atoms can be de</li></ul>	ge identity in chemical noblit into subatomic particestroyed by chemical re	cles.