Name	Class	Date
Assessment		
Quiz		
Section: How Is M	atter Classified?	
n the space provided, wri	te the letter of the term or	phrase that best answers the
1. Which statemen	nt is <i>not</i> true?	
a. Some eleme	nts exist as molecules.	·
b. Some eleme	nts exist as atoms.	
	re composed only of a sing	
d. All molecule	es of a given substance are	the same.
2. In the same phy	ysical state, different mole	ecular forms of the same
element are cal	lled	
a. isotopes.		
b. allotropes.		
c. compounds. d. diatomic mo		
d. quatomic mo	recures.	
3. A chemical form	mula for a molecular comp	pound represents the compo-
sition of		
a. a molecule.		
b. an atom.	males up the sampound	•
d. the crystal la	make up the compound.	
d. ate crystaris	www.	•
4. Pure substance	s can be	
a. elements.	•	
b. compounds. c. mixtures.		•
d. Both (a) and	(b)	
E A comple conta	ins several pure substance	os that are not chemically
combined. The		es that are not chemicany
a. element.	sample is a(n)	
b. compound.		•
c. mixture.	· ·	
d. Both (a) and	(b)	
6. The alloy brass	is an example of a(n)	
a. element.	•	

c. heterogeneous mixture. **d.** homogeneous mixture.

b. compound.

Name		Class		Date	
Quiz continu	ed				
a. b. c.	Apple juice is geneous mixto Apple juice is geneous mixto Both juices ar	ure. a heterogeneous r	nixture, and mixture, and nixtures.	orange juice? orange juice is a hete l orange juice is a hon	
nit a. b. c.	rogen dioxide. a mixture in a a compound in a mixture in b	ygen gases are in a . Nitrogen and oxy ir and a compound n air and a mixture oth air and nitrogen n both air and nitrogen	ygen form d in nitroge: e in nitroge: en dioxide.	n dioxide.	a
a. 6 b. 1 c. 1	ysical means c elements. pure substance mixtures. compounds.	ean be used to sepa	arate ·		
reli a. a b. c c. e	_	ces in particle size		following procedures	