

Chapter 3 Practice Test

Write the word from column B that matches each description in column A.

A	B
1. An element is an example of a _____.	a) compound
2. Vinegar contains an acid dissolved in water. This is a _____.	b) element
3. Two elements combine to form one of these _____.	c) matter
4. Oxygen is an example of this pure substance _____.	d) mechanical mixture
5. Heat and light are not this, but everything else is _____.	e) pure substance
6. A substance that has two parts that can be separated with tweezers is a _____.	f) solution

7. Classify each item in the table below as either a pure substance or a mixture. Explain your choice.

Substance	Mixture or Pure Substance	Reason
a) raspberry jam		
b) dirt		
c) water		
d) air		

Name: _____

Date: _____

BLM 3-6
(continued)

8. Which of the following is a pure substance? Circle the best answer.

- a)** gold jewellery
- b)** pile of salt and pepper
- c)** sugar
- d)** crunchy peanut butter

9. Decide whether each of the substances described below is an element, a compound, a solution, or a mechanical mixture. Give a reason for your choice.

- a)** This unknown clear liquid sits in a bowl overnight. The next morning, there are a few crystals on the bottom of the bowl.

- b)** This unknown spice is on the table at a restaurant. There are green and red flakes in the bowl.

10. Describe a procedure for the best way to separate each mixture.

- a)** pepper grains and orange peels

- b)** drink crystals and water

- c)** tiny iron balls and lentils

11. Imagine you drop staples into a bowl of sugar. Describe a procedure you could use to get the staples out of the sugar.
