

Name: _____

Date: _____

BLM 3-7

Chapter 3 Test

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

A	B
1. This sample contains only one type of particle: _____	a) compound b) element c) matter d) mechanical mixture e) pure substance f) solution
2. This pure substance is made by combining two or more different elements: _____	
3. This is anything that has mass and takes up space: _____	
4. Gold is an example of this pure substance: _____	
5. A glass of apple juice is an example of a _____.	
6. A bowl contains salt and pepper. This is a _____.	

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) orange marmalade		
b) helium gas		
c) cherry sauce		
d) salt		

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(continued)

8. What elements can be trapped by decomposing water? Circle the best answer.

- a)** air and water vapour
- b)** oxygen and hydrogen
- c)** helium and oxygen
- d)** hydrogen and osmium

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 gas is needed for a fire to keep burning and reignites a glowing splint.

b) This unknown grey gas floats above a burning fire.

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

a) iron filings and sand

b) salt and water

c) paper clips and sugar

11. Imagine you are on an outdoor adventure and run out of water. There is a creek nearby but the water is muddy. Describe a procedure you could use to remove the mud from the water.
