Conceptual Chem	Name	
	Date	
Worksheet :	# CC3 : Classifying Matter	
1. Complete the following statements:		
a. Matter is anything that has	and takes up	<del>-</del>
b. An element is a pure substance	e made up of only one kind of	
Ex:		
c. A compound is made up of		
Ex:		
d. Can a pure substance be a cor	mpound?	
3. Classify each of these as a physical cha	ange (PC) or a chemical change (CC	
a. Meat blackens when cooked too	o long on a barbecue	
b. A rock crumbles, eroding a mou	ıntain	
c. The steel in a car rusts		
d. Milk curdles if a few drops of vin	negar are added	
e. Salad dressing separates into la	ayers after standing	
f. Water boils, producing steam		

4. What's the difference between a mixture and a pure substance?

g. A bomb make of gunpowder explodes. \_\_\_\_\_

a. A mixture		
b. A pure substance	 	

5. Wh	at's the difference between a homogenous mixture and a heterogeneous mixture?
	a. A homogeneous mixture
	b. A heterogeneous mixture
6. Cla	ssify each as a pure substance, a homogenous mixture or a heterogeneous mixture
	a. distilled water
	b. pond water
	c. air
	d. aluminum
	e. steel
	f. a bag of variously colored marbles
	g. blood
	h. a sugar cube
	i. a calculator
	j. helium gas