Name Date
SEPARATING MIXTURES
Exercise
1. QUESTION
Connect the terms of the two columns.
SORT ELEMENTS
o With a magnet.
o distilling
 Heating until water vaporizes
 Heating until water vaporizes
o with a sieve
How can you separate oil from water?
How can you separate a mixture of alcohol and water?
How can you obtain salt from sea water?
How can you separate a mixture of sand and stones?
How can you separate a mixture of sulfur and iron filings?
2. QUESTION
True or false? Write T if the statement is True or F is the statement is False .
Mixtures are always a combination of compounds that are in different states of matter.
You can separate all mixtures by the process of filtration.
All mixtures are solutions.
Hand picking is not a method of separation.
Chromatography is a physical method of separation. www.studyassistant.org

Name				Date	
3. QUESTION					
All solutions ar	e				
heterogene	ous				
homogeneo	ous				
4. QUESTION					
Determine who	ether the following	ng is a solution or a	mixtu	ture.	
Concrete block					
a cup of tea					
6. QUESTION					
The ocean is an	example of a				
soluble		olute		solution	
7. QUESTION A substance wh	nich dissolves in a	a solvent, such as sa	alt, is	s called a	
C solvent		olution	_	solute	

Nan	ne			Date	
8. (QUESTION				
Wh	ich method is used to treat	water f	for drinking by ren	noving s	solid particles?
	chromatography	C	filtration	C	evaporation
9. (QUESTION				
Thi	s is the method for separati	ng diff	erent components	of a liqu	iid.
	filtration	C	magnetization	C	chromatography
	QUESTION ich of the following is not	a pure	substance?		
	distilled water	0	table salt		
	aerated water	O	baking soda		
	QUESTION ich objects below would a	magne	t attract?		
	chalk		screws		□ key
	pencil		paper clip		button
	QUESTION ich of the following is an in	nsolubl	e substance in wa	ter?	
	salt	C	flour		
	sugar	0	chocolate power	ler	

Name	e Date							
13. QUESTION								
How would you separate the following?								
rice	and stones –							
sand	l and rice –							
nails	s and pebbles –							
	QUESTION want to separate a large amount of salt from sand. Which two things should you do?							
	Place the sand-salt mixture in water to dissolve the salt.							
	Sieve the sand-salt mixture.							
	Filter the saltwater.							
	Use magnet to separate the mixture.							
	Use a centrifugal device to separate the two mixtures.							
	QUESTION would you separate the following beads by colour?							
X								

C hand sorting

Sieving magnetism

filtering