Separations and Mixtures - Revision Lesson - Page 1 $\,$

Multiple Choice Questions

a. Evaporation

b. Sieving

 $\mathbf{Q1.}$ Which of the following techniques would you use to separate sand from water?

c.	Decantation
d.	Crystallisation
Q2.	What is the purpose of filtration?
a.	To attract metallic objects
b.	To separate insoluble substances (things that don't dissolve) from a liquid
c.	To remove salt from water
d.	To make a solution
Q3.	Which technique is commonly used to separate salt from water?
a.	Sieving
b.	Magnetic separation
c.	Evaporation
d.	Decantation
Q4 .	What would you use to separate iron filings from a mixture of iron and wood?
a.	Filtration
b.	Magnetic Separation
c.	Decantation
d.	Sieving
Q5 .	Which method is used to separate coffee grounds from liquid coffee?
a.	Evaporation
b.	Sieving
c.	Decantation
d.	Filtration
Q6.	In which technique do we allow the solid to settle at the bottom and then pour off the liquid?
a.	Sieving
b.	Filtration
c.	Decantation
d.	Crystallisation

	Separations and Mixtures - Revision Lesson - Page 2			
Q7. How do	es evaporation work?			
	e a mixture of iron filings, sand, and sinto its components.	alt. In the space below, draw a flowchar	t showing how you would separate	
Q9. How wo	uld you separate a mixture of oil and	water? Describe the process.		
Q10. Label t	the following as either a mixture or a p	ıre substance: saltwater, gold, air, salad	, carbon dioxide, sand, iron filings.	
·	Pure Substances	Mixtures		
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Q11. Compa	are decantation and filtration. What a	re the advantages and disadvantages of	each?	

Separations and Mixtures - Revision Lesson - Page 3

- Q12. You are given a mixture containing coffee grounds, steel scraps, seawater, and lemon seeds. Your task is to separate this mixture into its individual components. Note that lemon seeds and coffee grounds do not dissolve in water.
 - a) Complete the table below, identifying each component and a physical property you could use to remove that component from the mixture.

	Component	Physical Property	
			_
			_
			_
			_
	eparation technique will you use first, what re you exploiting to make the separation?	1,	
	ill be your second separation technique, whate you exploiting this time?	t will be removed because of this technique,	and what physical
	rill be your third separation technique, what re you exploiting for this final separation?	will be removed because of this technique,	and what physical
property ar	e you exploiting for this linal separation:		
	ill be your fourth separation technique, whate you exploiting for this final separation?	t will be removed because of this technique,	and what physical