

Separation Techniques Worksheet

Name: _____

Date: _____

Class: _____

True/False Questions

1. Think carefully about the following statements. Are they true or false?
Circle your answer.

- | | | |
|----|--|------------|
| a. | In filtration, the filtrate is always a pure liquid. | True/False |
| b. | Drinking water can only be obtained from seawater by distillation. | True/False |
| c. | The fractional distillation of miscible liquids is only possible if the liquids have different boiling points. | True/False |
| d. | Paper chromatography is a physical method for separating mixtures. | True/False |
| e. | Mixtures have fixed melting and boiling points. | True/False |

2. Name the techniques which are suitable for separating the following mixture:

	Situation	Separation Technique
a.	To obtain drinking water from muddy water	
b.	To separate petrol from crude oil	
c.	To remove leaves from a swimming pool	
d.	To obtain pure sugar from a solution	
e.	To determine whether the colouring in a fruit juice is a single substance or a mixture of coloured substances	

3. You are asked to separate sand and sodium chloride.

Name the methods needed to carry out the procedure. Explain how you would carry out the procedure to obtain pure sand and sodium chloride back.
