

Science
Weekend Assignment
Separation Techniques

Name: _____()

Class: _____

Date: _____

Methods of Purification

Methods	To separate	examples	Substances obtained	Terms
Filtration	Insoluble solid + liquid		_____ in filter paper _____ in beaker	- Solid trapped in filter paper is called the _____ - Liquid that passed through paper is called the _____
Crystallization	Solution (a soluble solid dissolved in liquid)		Pure _____	- Solid dissolved is called _____ - Liquid is called the _____
Fractional distillation	Mixture of 2 miscible liquids		Liquid with l _____ b _____ p _____	Makes use of the physical property of _____
Chromatography	Mixture of several soluble solids in a solution		Individual component in the mixtures are separated out	Different coloured spots are obtained at the end of the experiment. The paper with the different coloured spots is called a _____

Distillation	Solution		P _____ I _____	Pure liquid obtained is called the _____
Desalination (using distillation or reverse osmosis)	Pure water from sea water		Pure Water	In reverse osmosis, sea water is forced through a p_____ p_____ m_____ under high pressure to sift out the salt and waste particles