7E Mixtures & Separation-Revision Worksheet	Describe two different ways you	You need to separate a			
Define the following key words:	solute.	mixture of copper sulfate, water and sand to collect			
Mixture	Label the diagram of a filtration practical below:	Draw and label a diagram to show how you would heat a	copper sulfate crystals. Write out a method for how you would carry this out below. (you will need to use		
Suspension	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	solution safely.			
Colloid			filtration and evaporation)		
Solution					
In a mixture of salt water, match up the following:					
Solvent Salt Water	Explain the process of producing	g salt that we use in food.]		
Solute Salt					
Solution Water					
Describe what would happen if you kept adding salt to a mixture of salt water that was saturated.	Describe the difference between evaporation and boiling.				
	State what you can tell about th				
	chromatogram here.				
If you added 15g of salt to 100g of water, what would the mass of the salt water be.					
	E104 E110 E120	E122 E133 orange green brown blue yellow violet pink			
State the name of the principle used in the question above.	Describe how you would carry out a chromatography practical. State two uses of chromatography in				
		industry.			
State what the solubility of a solute means.		1.			
		2.			
1	1.1	1.1	1 1		

Match up the following sep what they separate.	aration techniques to	Describe what desalination is and	Rate the following on how well you think you can do them:
Chromatography	Separates liquids with different boiling points Separates a liquid and solid	why it is important.	
Distillation	by boiling off the liquid		I can
Filtration	Separates liquids of different colours		Structure a method in a clear manner.
Evaporation	Separates a solid that can dissolve from one that can't		☐ Use diagrams to draw apparatus.
Draw a flowchart to outline the stages in distillation. Label the equipment undistillation practical.		ed to carry out a	☐ Classify mixtures.
			☐ Describe how insoluble solids can be separated from a liquid.
			☐ Describe how soluble substances can form solutions.
	G		\square Identify the solute and solvent in a solution.
	c c	H]0[Describe the effects of different variables on solubility.
A 'B		1	□ Describe how a Bunsen burner is used.
	No acraile a the different ways in which we		☐ Identify hazards and describe how to reduce risks.
	Describe the different ways in which we can make safe drinking water. Explain where each method might be useful.		 Describe how solutes can be separated from a solution by evaporation.
			 Describe the differences between evaporation and boiling.
			 Describe how chromatography can be used to identify substances in a mixture.
			Explain how chromatography works.
Describe how we can heat to dryness safely.			 Explain how distillation can be used to separate a solvent from a solution.
			☐ Give examples of where distillation is used.