Mixtures and compounds

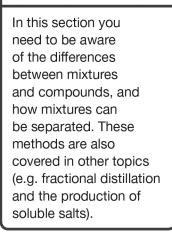
1	Place each substance under the correct heading in the
	table below. (3 marks, ★)

air	salty water	oxygen	
hydrogen	water	sodium hydroxide	

Element	Compound	Mixture

(2) A student prepares a soluble salt by reacting copper(II) oxide with hydrochloric acid. He ends up with a solution of copper(II) chloride. Describe how solid copper(II) chloride could be obtained from this mixture. (2 marks, ★★)

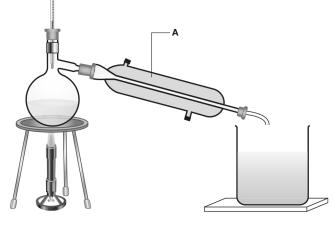
NAILIT!



- 3 A mixture of salt and water can be separated by simple distillation.
 - a Name the piece of apparatus labelled A. (1 mark, ★)

b Explain how pure water is obtained

during this process. (3 marks, ***)



4 Rock salt is a naturally-occurring mineral that consists of a mixture of sodium chloride and sand. Sodium chloride is soluble in water and sand is insoluble in water. Describe how both the sodium chloride and sand could be separately extracted from the rock salt.

(4 marks, ★★★)
