0 1 . 1	Clean drinking water is important for health. In the UK water from res through a series of steps before it is safe to drink.	ervoirs goes [2 marks]
	What are the two mains steps used to treat water from reservoirs? Give a reason for each step.	
	Step 1	
	Reason	
	Step 2	
	Reason	
0 1 . 2	Explain why it is more difficult to produce drinking water from waste from water in lakes.	water than [3 marks]
0 1 . 3	a) Pure water can be produced by distillation.	[1 mark]
	Why is distillation not usually an economic method of treating water drinking?	for
	b) How could the water be tested to show it is pure? Give the expected result of the test for pure water.	[2 marks]

0 2 . 1	A student wanted to find out how much solid was dissolved in sea water.
	This is the method the student used:
	 measure the mass of an empty evaporating basin measure 25 cm³ of sea water and pour it into the evaporating basin heat the evaporating basin gently until all of the water has evaporated measure the mass of the evaporating basin containing the solid residue.
	(a) What piece of apparatus would be suitable for measuring 25 cm ³ of sea water? [1 mark]
	(b) How could the student check that all of the water had evaporated? [2 marks]
02.2	
	The results the student obtained using 25 cm ³ of sea water are:
	mass of empty evaporating basin = 23.21 g mass of evaporating basin and dry solid residue = 24.04 g
	Calculate the mass of solid dissolved in 1000 cm ³ of the sea water.
	Mass dissolved in 1000 cm ³ = g
	[2 marks]

(Total 13 marks)

End