



Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 31

1 Key words**[4]**

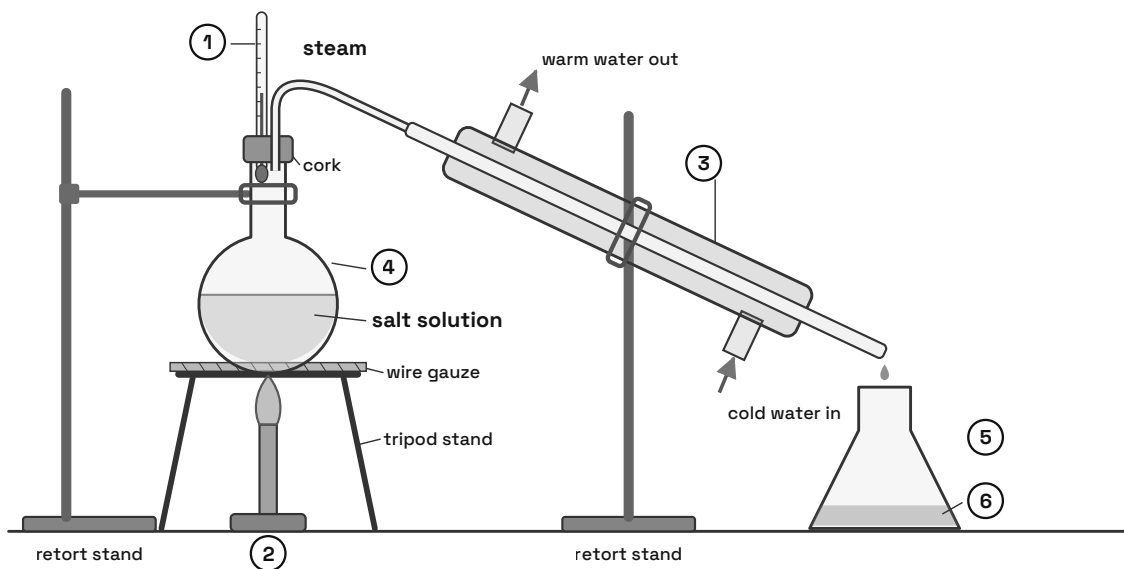
Fill in the blanks with words from the box. Two words in the box are not needed. Each blank carries 0.5 mark.

bottom colloids components distillation evaporation homogeneous mixture solute
solvent suspension

A substance made of two or more substances mixed physically is called a _____. The substances that make up a mixture are called its _____. The components are mixed evenly in a _____ mixture. Raksi is made in villages by the _____ method. In the centrifuging method, the heavy substances collect at the _____ of the test tube. A solution is made of a _____ dissolved in a _____. Milk, gum and blood are _____.

2 Label the diagram**[3]**

The diagram shows how pure water is got from salt water by distillation. Write the names of the parts numbered 1 to 6. Each carries 0.5 mark.



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____



[5]

i. In which mixture are the components mixed evenly? [1]

[2]

[3]

a. What is a mixture? [1]

b. In lemon water made of water, lemon juice and sugar, which is the solvent? [1]

c. Name the method used to separate salt from salt water. [1]



6 Short answers

[8]

Write short answers to the following questions.

- a. Write any two differences between a homogeneous and a heterogeneous mixture.

[2]

- b. Write any two differences between a solvent and a solute.

[2]

- c. Give a reason: a mixture of different colors is separated by chromatography.

[2]

- d. Which of muddy river water and salt water is a heterogeneous mixture? Give your reason.

[2]

7 Long answer

[4]

Write a long answer to the following question.

Explain where and why the centrifuging method is used. Give three uses.



8 Think

[2]

Think, then answer.

You are given salt water in one glass and pure water in another. Without tasting them, how can you find which is pure water? Use a method of separating mixtures.

9 Activity: Solution, colloid or suspension? (Table 9.1)

(not marked)

Look at and test salt water, milk and muddy water. Fill in the table.

Mixture	Seen with the naked eye?	Does light pass through?	Does filter paper separate it?
salt water			
milk			
muddy water			

Which one is a solution, which a colloid and which a suspension?

