

**Subject:** Grade 7 Natural Sciences  
**Topic:** Methods of physical separation  
**Total:** 35 Marks

**Name:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

**Question 1: True/False**

2 marks

The separation method of chromatography requires that the chromatography paper be placed in water.

**TRUE**

**FALSE**

**Question 2: Please Fill In The Blanks**

4 marks

The two separation methods used to separate a soluble solid from water are (1) and (2) .

Give your answers in alphabetical order.

Possible Answers: chromatography | distillation | evaporation | filtration

**1**

**2**

**Question 3: Multiple Choice**

4 marks

To separate iron from our refuse, ... is used.

**A** distillation

**B** filtration

**C** a magnet

**D** a sieve

This image refers to question: 4



<https://www.recyclingbins.co.uk/blog/how-is-recycling-sorted/>

**Question 4: Text Input**

3 marks

This method of separation is called ... sorting.

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**Question 5: Please Fill In The Blanks**

4 marks

A (1) substance is a solid that can dissolve in water. An example of this solid is (2).

Possible Answers: soluble | insoluble | salt | pepper | sand

1		2	
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**This image refers to question: 6**



**Question 6: Please Fill In The Blanks**

6 marks

The evaporation method of separation is used to separate (1) solid from a (2) . The mixture is heated and the (3) turns into a (4) .

Possible Answers: an insoluble | a soluble | liquid | gas

<b>1</b>	
<b>3</b>	

<b>2</b>	
<b>4</b>	

**Question 7: True/False**

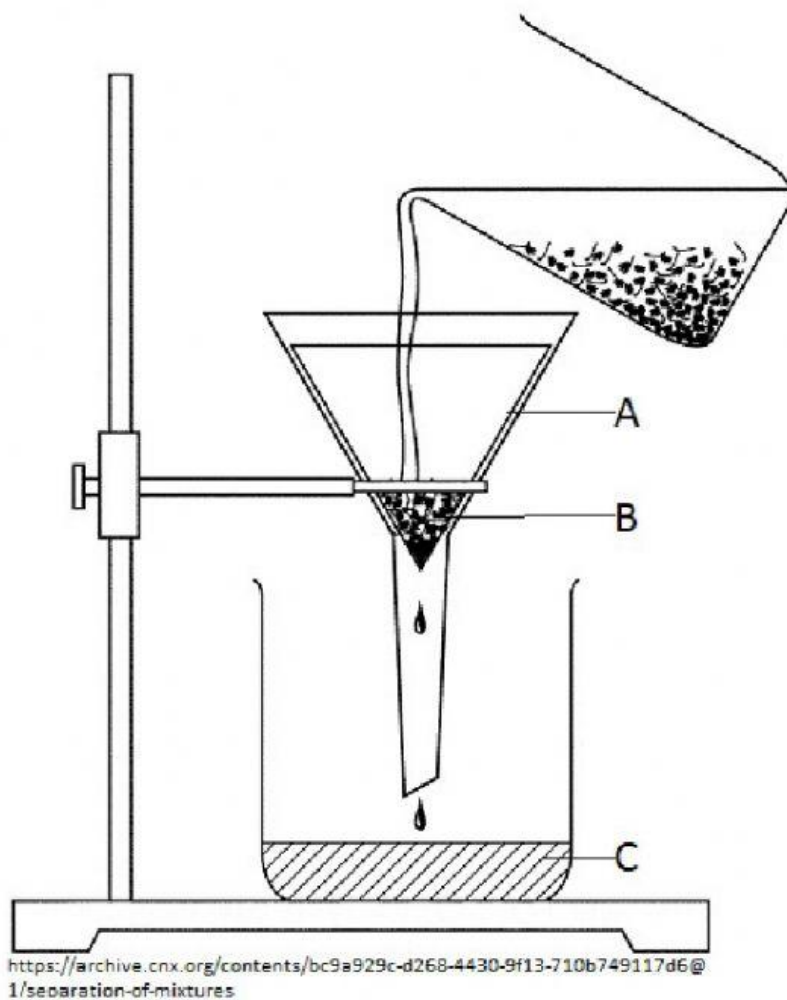
2 marks

Chromatography is used to separate a mixture of a dissolved solid and a liquid.

<b>TRUE</b>
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<b>FALSE</b>
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**This image refers to question: 8, 9, 10**



**Question 8: Multiple Choice**

4 marks

This method of separation is called ... .

- |          |              |
|----------|--------------|
| <b>A</b> | distillation |
| <b>B</b> | evaporation  |
| <b>C</b> | filtration   |
| <b>D</b> | sieving      |

**Question 9: Please Fill In The Blanks**

4 marks

This diagram shows the filtration method of separating mixtures.

It is used to separate a mixture of (1) solid and a (2) .

Possible Answers: a soluble | an insoluble | gas | liquid

<b>1</b>	
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<b>2</b>	
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**Question 10: True/False**

2 marks

Filtration is a method used to separate a mixture of an insoluble solid and a liquid.

<b>TRUE</b>
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<b>FALSE</b>
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**Total: 35 Marks**