

AQA, OCR, Edexcel

GCSE Science

GCSE Chemistry

Purity, Formulations and
Chromatography
Questions

M M E

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Total Marks: /19

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Pure substances

Q1: Define a pure substance.

(2 marks)

Q2: Which of the following is a pure substance: Silver, Steel or Iron?

(1 mark)

Q3: How do the melting points of pure and impure substances differ?

(2 marks)

Formulations

Q4: Fill in the gaps in these sentences using the words in the boxes.

A formulation is a _____ that has been designed as a _____.
Formulations are made by mixing the components in carefully measured _____ to ensure that the product has the _____.

Quantities	Mixture	Useful product	Require properties
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(4 marks)

Q5: Give three examples of formulations.

Formulation

(3 marks)

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Chromatography

Q6: Give two uses of chromatography:

(2 marks)

Q7: Name the two phases when performing chromatography.

(2 marks)

Q8: Complete the equation.

$$R_f = \text{_____}$$

(2 marks)

Q9: How will a pure compound look when run on chromatography paper?

(1 mark)