

Pure substances and formulations

Q1. (2018)

04.5	a mixture designed as a useful product	1	AO1 5.8.1.2
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Q2. (2019)

02.1	formulation	1	AO1 5.8.1.2
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Q3. (2019)

06.2		allow boils at 100 °C for 2 marks	AO2 5.8.1.1
	boil (water)	ignore heat do not accept filter do not accept incorrect test	1
	(boils) at 100°C	alternative approach freeze (water) (1) (freezes) at 0°C (1) if no other mark awarded, allow 1 mark for evaporate or distil water and no solid left	1

Q4. (2020)

05.1	air	1	AO1 5.8.1.1
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Q5. (2021)

01.4	<p>Substance</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 150px; text-align: center;">Sodium chloride solution</div> <div style="border: 1px solid black; padding: 5px; width: 150px; text-align: center;">Water</div> </div> <p>do not accept more than one line from a box on the left</p>	<p>Description of substance</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 100px; text-align: center;">Compound</div> <div style="border: 1px solid black; padding: 5px; width: 100px; text-align: center;">Element</div> <div style="border: 1px solid black; padding: 5px; width: 100px; text-align: center;">Hydrocarbon</div> <div style="border: 1px solid black; padding: 5px; width: 100px; text-align: center;">Mixture</div> </div>	<p>AO2 5.1.1.2</p> <p>1</p> <p>1</p>
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Q6. (2021)

02.7	limewater	1	AO1 5.8.2.3
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Q7. (2022)

03.8	formulation		1	AO1 5.8.1.2
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Q8. (2023)

06.3	1		1	AO1 5.8.1.3 RPA12
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Q9. (2024)

02.1	(substance) B	allow 61 (°C)	1	AO3 5.8.1.1
	(B) has a specific melting point	allow all the other substances melted over a range of temperatures	1	
		MP2 is dependent on MP1 being awarded		

Q10. (2024)

02.4	6		1	AO2 5.1.1.1 5.6.2.2
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Q11. (2024)

03.1	formulation		1	AO1 5.8.1.2
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