

APOLLO

Matter

FBISE Chemistry Class 10 (SSC-II)

Domain B: Physical Chemistry

6 questions | questions

Original FBISE question crops. National Curriculum 2022-23 topic.

Q1. Fill the relevant bubble against each question according to the curriculum. Each part carries one mark.

	Question	A	B	C	D	A	B	C	D
i	A student places a piece of dry ice (solid CO ₂) in a sealed container. After a while, the container expands and may even burst. What is the best explanation for this?	The dry ice melted and turned into liquid, increasing volume.	The dry ice reacted with oxygen to form new compounds	The dry ice sublimed, producing gas that increases pressure.	The container absorbed external heat, causing it to burst	☐	☐	☐	☐

First Annual 2025 | Section A Q10 | 1 mark

10. Which statement about water is correct ?	Low heat capacity	Low heat of vaporization	Contracts when freezes	Boils at 100°C
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First Annual 2025 | Section B Q2(ii) | 3 marks

(ii)	Water has maximum density at 4°C. How does it help the aquatic life to survive in winter?	03
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Second Annual 2025 | Section B Q2(ii) OR | 3 marks

How aquatic life survives under water during extreme cold weather?	03
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First Annual 2026 | Section A Q2 | 1 mark

Change in state of a substance from gas to liquid is called:	Freezing	Sublimation	Condensation	Deposition
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First Annual 2026 | Section A Q2 | 1 mark

With the increase in temperature, the change of liquid into gas is called:	Sublimation	Melting	Boiling	Freezing
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