# Tracking Frost Loss Without Melting

Scoring guide · one credit per question · review written work against each rubric

### Tracking Frost Loss Without Melting

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### Question 1

The dry container loses 2.0 − 1.2 = 0.8 g. The humid container loses 2.0 − 1.8 = 0.2 g.

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### Question 2

Choice (1)

A direct change from solid to gas accounts for the frost loss with no observed liquid. This process is sublimation.

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### Question 3

More water molecules in the air can return to the frost. More return can offset more of the loss from the solid, making the net decrease smaller.

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### Question 4

The humid frost still loses 0.2 g overall. Over the interval more water left the solid than returned. The reading gives the difference and cannot separately count how much moved each way.