Separating Leaf Uptake From Water Uptake

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

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Question 1

Choice (2)

In the blank, all six units lost from air are found in the water despite there being no plant.

Question 2

Eight units leave the air and four are gained by the water. The other four units are retained by the plant in the stated model.

Question 3

The chambers do not gain the same amount of carbon in their water. The plant chamber’s water gains four, rather than the blank’s six. Its own water measurement gives 8 − 4 = 4 retained.

Question 4

The later run gives 5 − 1 = 4 units retained, equal to the original result. Lower air loss is offset by lower gain in the water.