Following Water Through Two Leaf Chambers

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

Following Water Through Two Leaf Chambers

Question 1

Choice (2)

The vapor readings give 7.0 g for Q and 4.0 g for P.

Question 2

P does not return 5.0 − 4.0 = 1.0 g as vapor. Q does not return 8.0 − 7.0 = 1.0 g. The two differences are equal.

Question 3

Most of the extra intake in Q is matched by extra vapor release. The two records describe water intake and release. They do not measure sugar production or carbon dioxide uptake.

Question 4

Compare the net carbon dioxide decrease over equal observation times. A larger decrease is evidence of greater net carbon dioxide uptake in the model. The water readings alone do not show that change.