Reading Leaf Gas Exchange at Fixed Pressure

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

Reading Leaf Gas Exchange at Fixed Pressure

Question 1

Choice (4)

The initial count is 12 + 8 + 80 = 100. The light reading gives 8 + 12 + 80 = 100.

Question 2

Carbon dioxide falls by four and oxygen rises by four. This is consistent with net carbon dioxide uptake and net oxygen release when photosynthesis exceeds respiration in the light interval.

Question 3

In darkness carbon dioxide rises by two and oxygen falls by two. The direction is opposite to the light interval and consistent with net respiration.

Question 4

Equal pressure is consistent with the same total count while one gas increases and another decreases. In the original record either a carbon dioxide measurement or an oxygen measurement at the same times reveals changes the total pressure hides.