Finding What Limits a Model Algae Bed

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

Finding What Limits a Model Algae Bed

Question 1

Choice (4)

R and S have the same high carbon dioxide setting and different light settings.

Question 2

At low carbon dioxide, P and Q both give 2. At high carbon dioxide, changing from R to S increases output from 3 to 8. The light effect depends on carbon dioxide in these trials.

Question 3

Carbon dioxide supplies carbon used to form sugars during photosynthesis. Changing the availability of this reactant can affect how much photosynthesis occurs and therefore oxygen output.

Question 4

Compare low and high light at the same medium carbon dioxide setting with the other conditions unchanged. Greater net oxygen output at high light would support an effect at that setting.