

Active Reading *continued*

4. A study showed that the photosynthesis rate of a plant continually increased over a certain period. Then the rate leveled off. During the study, light intensity and temperature remained constant. The only variable was the concentration of carbon dioxide surrounding the plant. What was the cause of this variation in photosynthesis rate?

5. In another study, the photosynthesis rate of a plant sharply decreased as air temperature sharply decreased. During this study, light intensity and concentration of carbon dioxide remained constant. What can you conclude about this variation?

In the space provided, write the letter of the phrase that best answers the question.

- _____ 6. Which of the following does NOT affect the photosynthesis rate of a plant?
- a. air temperature
 - b. soil type
 - c. light intensity
 - d. carbon dioxide concentration