

BioInteractive Practice Test Questions and Answers

1. What is photoinhibition?

- A) Reduction in photosynthetic efficiency caused by excess light that damages Photosystem II
- B) Enhancement of photosynthesis by very bright light
- C) Inhibition of the Calvin cycle by low light
- D) Blockage of CO₂ entry by high humidity

2. What is photorespiration?

- A) A process where RuBisCO fixes O₂ instead of CO₂, releasing CO₂ and reducing photosynthetic efficiency
- B) A process that produces ATP from light
- C) An alternative way to split water
- D) A method of cyclic electron flow

3. What is CAM photosynthesis?

- A) A strategy where CO₂ is fixed at night and stored as organic acids, then released for the Calvin cycle during the day
- B) Photosynthesis that occurs only in cold climates
- C) A form of cyclic electron flow
- D) Carbon fixation that bypasses RuBisCO

4. What are grana in chloroplasts?

- A) Single thylakoid discs
- B) Stacks of thylakoids
- C) The space between membranes
- D) The site of glucose synthesis

Answers: 1-A 2-A 3-A 4-B

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