

Which choice below best fits in the blank? The first step in \_\_\_ is photolysis, the splitting of water into electrons, oxygen, and hydrogen.

- A the Calvin-Benson cycle
- B carbon dioxide fixation
- C the cyclic pathway of photosynthesis
- D the noncyclic pathway of photosynthesis

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In the noncyclic pathway of photosynthesis, photon energy is used to split water into oxygen, hydrogen, and electrons.

Answer **D**.