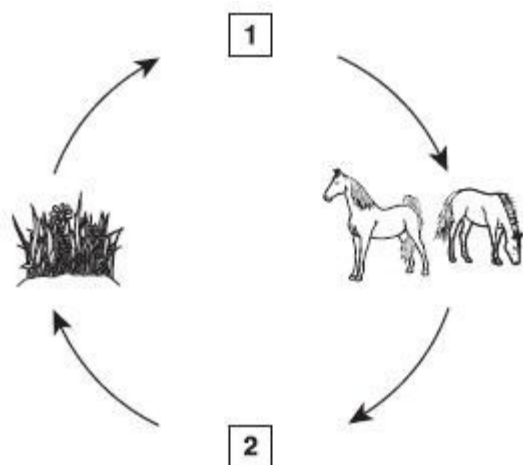


SC.912.L.18.9 – Photosynthesis and Cellular Respiration – Example 8 Answer

A diagram representing the relationship between photosynthesis and cellular respiration is shown below.



The numbered boxes in the diagram represent which of the following?

- A. 1 - water; 2 - nitrogen
- B. 1 - nitrogen; 2 - oxygen
- C. 1 - oxygen; 2 - carbon dioxide
- D. 1 - carbon dioxide; 2 - water

Answer

- C. 1 - oxygen; 2 - carbon dioxide

Photosynthesis by plants produces oxygen, which is then used by animals as a reactant in cellular respiration. The product of cellular respiration is carbon dioxide, which is used by plants in photosynthesis. And the cycle continues.