

SC.912.L.14.7 – Plant Structure – Example 6 Answer

The cambium is a section of cells in a plant that can become either part of the xylem or phloem, depending on the growth and needs of the plant. If the cambium of a particular plant was damaged, what would be the most likely effect on the plant?

- A. The plant would lose its ability to carry out photosynthesis.**
- B. the plant would have uncontrolled growth.**
- C. The plant would not experience any change in physiology.**
- D. The plant would not be able to transport nutrients and water.**

Answer

- D. The plant would not be able to transport nutrients and water.

The xylem and phloem are responsible for the transportation of nutrients, and water throughout the plant. If cambium cells were damaged, the plant would not be able to make xylem and phloem.