

- 29** Which statement about the pathway taken by a water molecule travelling from the soil to the xylem is correct?
- A** A water molecule in a cortex cell that takes the symplast pathway must enter the next cortex cell by passing between two adjacent phospholipid molecules in a cell surface membrane.
  - B** A water molecule can pass into xylem vessels either through pits or through the cell wall of the xylem vessel elements by osmosis.
  - C** A water molecule would pass into the cytoplasm of the endodermal cell if it always takes the apoplast pathway all the way to the xylem.
  - D** A water molecule that has left the endodermal cells can travel by either the apoplast pathway or symplast pathway.