

SC.912.L.18.12 – Properties of Water – Example 1 Answer

Water is essential for life. Its special properties make water the single most important molecule in plant life. Which of the following properties of water enables it to move from the roots to the leaves of plants?

- A. Water expands as it freezes.**
- B. Water is an excellent solvent.**
- C. Water exhibits cohesive behavior.**
- D. Water is able to moderate temperature.**

Answer

C. Water exhibits cohesive behavior.

Cohesion means that water molecules are attracted to each other and attracted to other substances, such as the walls of the xylem of plants. The water molecules behave this way because they are polar.