

1. Water will be absorbed by root hair when
 - a. Concentration of solutes in the cell sap is high
 - b. Plant is rapidly respiring
 - c. They are separated from soil by semi-permeable membrane
 - d. Concentration of salts in the soil is high
2. The principal pathway by which water is transported in angiosperms is
 - a. Xylem vessel system
 - b. Xylem and phloem
 - c. Sieve tubes of phloem
 - d. Sieve cells of phloem
3. Due to high temperature the rate of transpiration will
 - a. Increase
 - b. Decrease slowly
 - c. Decrease rapidly
 - d. Remain unaffected
4. Which of the following is not a function of transpiration?
 - a. Excretion of minerals
 - b. Cooling of leaves
 - c. Uptake of water
 - d. Uptake of minerals
5. The transpiration in plants will be lowest
 - a. When there is high humidity in the atmosphere
 - b. There is excess of water in the cell
 - c. Environmental conditions are very dry
 - d. High wind velocity