

TRACHEID

Meaning: Tracheid: a type of elongated, water-conducting cell in the xylem of vascular plants, primarily responsible for water transport and providing structural support.

1. Tracheids are specialized cells in the xylem that facilitate water transport in vascular plants.
2. In conifers, tracheids play a crucial role in both water conduction and structural support.
3. The tracheid structure allows for efficient movement of water even in harsh environmental conditions.
4. Researchers study tracheids to understand the evolutionary adaptations of different plant species.
5. The size and arrangement of tracheids can significantly influence a tree's growth and resilience.

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