

DIAGEOTROPIC

Meaning: Diageotropic refers to the growth response of a plant or its parts, particularly roots, that allows them to grow horizontally or laterally, often in response to environmental factors like light or obstacles.

1. The diageotropic response of the plant allowed it to thrive in the shaded environment of the forest floor.
2. Researchers observed diageotropic behavior in the roots as they navigated around obstacles in the soil.
3. Understanding diageotropic mechanisms can enhance agricultural practices by promoting optimal root growth.
4. In the experiment, the seeds exhibited diageotropic tendencies, favoring horizontal growth despite vertical planting.
5. The diageotropic nature of some species makes them particularly adaptable to varying soil conditions.

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