

Plant Roots

are essential for plant survival, these are the parts of the plant that are found in the soil, It is considered a vascular region of a plant normally located underground.

Functions of Plant Roots:

- 1- **Anchorage & Support:** Roots provide structural stability, keeping the plant anchored in the soil against environmental forces like wind and rain.
- 2- **Absorption.**
- 3- **Storage:** Roots store nutrients and carbohydrates, such as sugars and starches, produced during photosynthesis.
- 4- **Conduction:** act as the first part of the vascular system, transporting absorbed water and salts upward to the stems and leaves.

The main types of roots with examples:

1. Tap roots : وتدي

Examples: Carrot , Radish .

2.Fibrous Roots : ليفي

Examples: Grasses, Wheat, Rice, Maize, green onion.

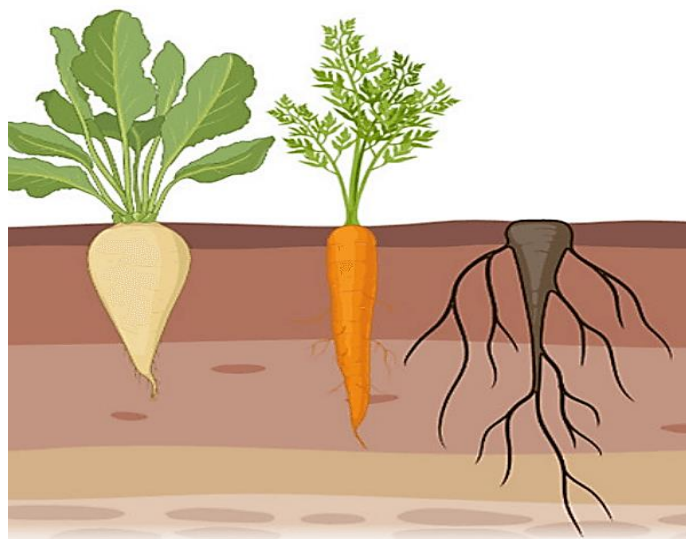
3. Adventitious Roots : عرضي

Prop Roots دعامي: Banyan Tree

4.Specialized Roots: (storage roots)

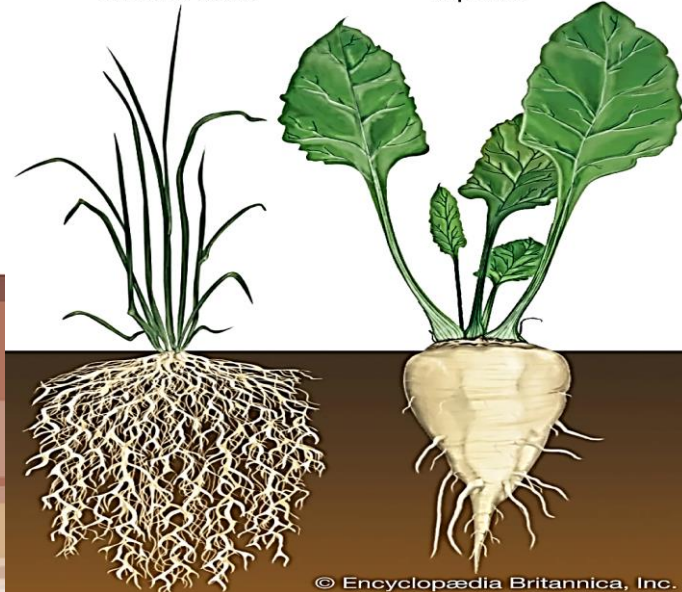
Sweet potato, Beetroot, red radish

Taproot



fibrous root

taproot



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