

VIDYA BHAWAN BALIKA VIDYAPEETH

STUDY MATERIAL SCIENCE

CLASS-VI

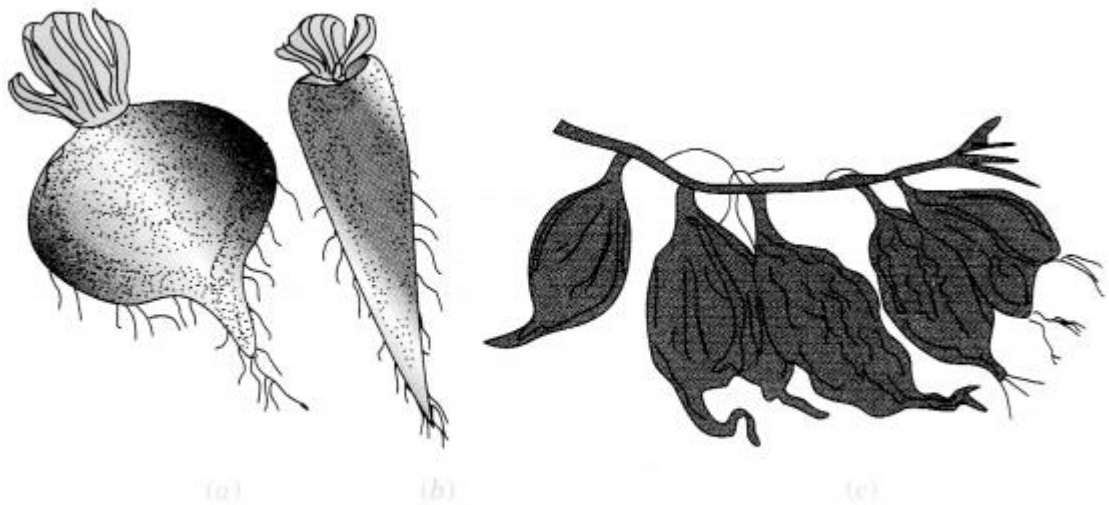
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► Plants :

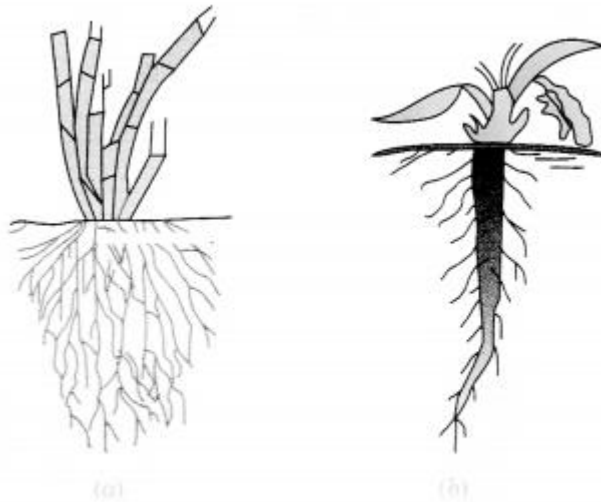
Roots

- Roots are mostly the underground part of the plant.
- They absorb water and mineral from the soil.
- They hold the soil firmly to keep the plant upright.
- Some roots store food and become plump.



Modified roots of (a) beet, (b) carrot, and (c) sweet potato

- Roots are of two types: fibrous root and taproot.



(a) Fibrous root, and (b) Taproot

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- **Fibrous roots:** In the plants like grass, the branches of the root come out from the base of the stem. Such roots are known as fibrous roots.
- **Taproots:** In some plants, the branches of the root arise from a thick structure under the ground which is called the main or primary root. Such roots are called taproots.
- **Root hair:** The fine hair like structures on the branches of root are root hair.
- **Lateral roots:** The smaller roots on taproot are called lateral roots.
- Plants having leaves with reticulate venation have taproot and plants having leaves with parallel venation have fibrous root.