

(In vascular plants, roots are the organs of a plant that typically lie below the surface of the soil. Roots can also be aerial or aerating, that is, growing up above the ground or especially above water. Furthermore, a stem normally occurring below ground is not exceptional either (see rhizome). Therefore, the root is best defined as the non-leaf, non-nodes bearing parts of the plant's body. There are important internal structural differences between stems and roots.)

(A typical diagram of a root system broadly shows four distinct regions or zones, the **i) region of root cap**, **ii) region of cell division or meristematic region** **iii) region of elongation**, and **iv) region of maturation or differentiation**, with each region performing distinct functions to complete the root system in plants. Except for the root cap, the other three zones are collectively known as the 'region of root tip'.)

(Roots act like straws absorbing water and minerals from the soil. Tiny root hairs stick out of the root, helping in the absorption. Roots help to anchor the plant in the soil so it does not fall over. Roots also store extra food for future use.)

Some queries

1-Read the text carefully and try to understand it?

2-What is the meaning of these words and sentences which are underlines (in French language)?

3-What are the plant parts?

4-Cite the different root parts and structures?

5-What are the different root forms and cite one example for every form?

6- Gather the different plants (species) which are cited in the text?

7-Translate these passages which are between brackets in the text above from English language to Arabic and French language.