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### Home Assignment 3

1. Why epidermis is important for plants?
2. Cork cells are made impenetrable to water and gases by the presence of which substance?
3. Define guttation.

1. Epidermis plays a protective role for the plants. This aids in protection against loss of water, mechanical injury and infection by parasitic fungi by secreting a waxy, water-resistant layer on the plants' <sup>outer</sup> surface. Thus, epidermis is important for the plants.



2. Cork cells are ~~made~~ made impermeable to water and gases by the presence of ~~suberin~~ Suberin.

3. Guttation is the process by which water loss takes place in the form of droplets from hydathodes on the leaf margin of a small herbaceous plant.