*For example, the black locust has a pair of *spines* at the base of each petiole of most leaves, these are parts of the leaf (stipules). The prickles of roses originate from the epidermis, are neither thorns nor spines.

prickles

spines

* Climbing plants have stems modified in different ways that adapt them for their growth habit.

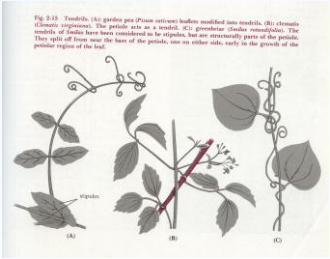
* Some stems, called ***rambles***, simply rest on the tops of other plants, but many produce **tendrils**.

rambles

tendrils

*These are specialized stems in grape but are modified leaf or leaf parts in plants like peas.

* In English ivy, the stem climb with the aid of adventitious roots that arise along the sides of the stem and become embedded in the bark or other support material over which the plant is growing.


stipules
(A)
(B)
(C)