

4 Tendrils are produced by climbing plants, such as pea plants.

The photograph shows the tendrils on a growing pea shoot.



(Source: © Jerry Lin/Shutterstock)

A tendril is a modified leaf that can coil around anything it touches.

Cells in the tip of the tendril divide by mitosis.

(a) A student investigated the mitotic index of cells in the tips of tendrils.

Acetic orcein stain was added to the tissues from the tips of the tendrils.

(i) Give **one** reason why the cells were stained in this investigation.

(1)
