

WJEC England Biology

A-level

SP C2 04c - Drawing of Anther

Flashcards

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What should a plant diagram show?



What should a plant diagram show?

The proportion of tissues.

Cells should not be present.



What is the epidermis?



What is the epidermis?

The thin outermost layer of tissue surrounding the anther.



What is the pollen sac?



What is the pollen sac?

A circular structure containing developing pollen grains.



Where is the vascular tissue found?



Where is the vascular tissue found?

It is found in a bundle at the centre of the anther.



What is the stomium?



What is the stomium?

The area between 2 pollen sacs.



Where is the tapetum found?



Where is the tapetum found?

It is the layer of tissue surrounding each pollen sac.



How can the actual size of the anther be found?



How can the actual size of the anther be found?

Calibrate the eyepiece graticule with a stage micrometer. Measure the length of the anther using the eyepiece graticule.



How can the magnification of the drawing be found?



How can the magnification of the drawing be found?

Measure the length of the drawing using a ruler.

Calculate magnification by using
 $\text{magnification} = \text{size of image} / \text{actual size}$

