

AS Level Biology A
H020/01 Breadth in Biology

Question Set 13

1. Fig. 23 shows a microscope image of a cross section taken from the stem of a sunflower, *Helianthus annuus*.

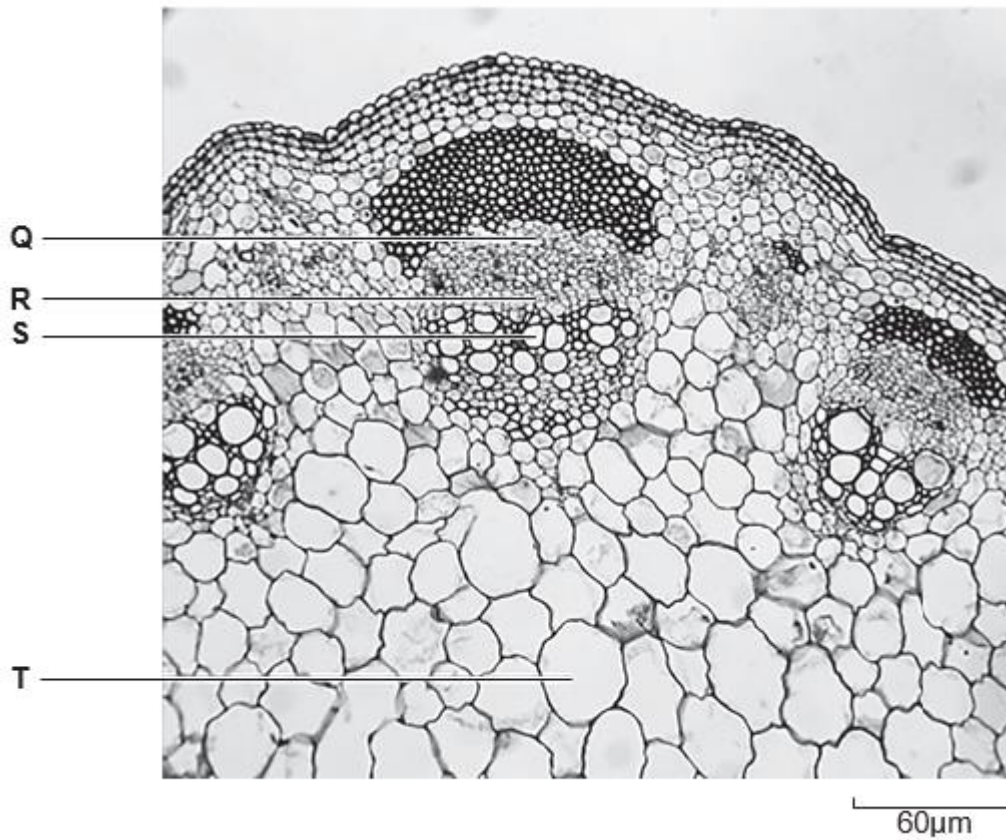


Fig. 23

- (a) Calculate the magnification of this image.

.....

[2]

- (b) (i) The cell labelled **T** on Fig. 23 is a parenchyma cell which carries out photosynthesis and stores starch. Suggest why cell **T** and the cells surrounding it, can be classified as parenchyma **tissue**.

[1]

(ii) **Name** the two tissues labelled **Q** and **S** on Fig. 23.

Q

S

[2]

(c) The tissues labelled **Q** and **S** in Fig. 23 are produced by mitosis from the tissue labelled **R** on Fig. 23. Identify the tissue labelled **R**.

R

[1]

Total Marks for Question Set 13: 5

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