

- 4 In plants, dividing cells can be found in meristematic tissue.

(a) Name two parts of a plant where meristematic tissue can be found.

.....  
 ..... [2]

- (b) In an investigation, a student observed the cells in a stained section of meristematic tissue. The student counted how many cells could be seen in each stage of the cell cycle.

Table 4.1 shows the results.

Table 4.1

stage of cell cycle	percentage cells in stage (%)
interphase	82.00
prophase	4.34
metaphase	3.23
anaphase	3.23
telophase	7.20

- (i) Explain why the meristematic tissue needed to be stained for this investigation.

.....  
 .....  
 .....  
 .....  
 .....  
 ..... [2]

- (ii) Name the type of nuclear division that occurs in a plant meristem.

..... [1]

# Ocr F211 Specimen Paper Mark Scheme

**Clemens Wendtner**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the name bar.

**Ocr F211 Specimen Paper Mark Scheme:**

**Ocr Medical Investigations Mark Scheme** Colin Shephard,Rosemary Rees,2004-01-30

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