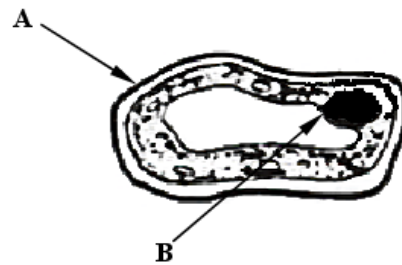


Question 1

Name: _____

(b) The diagram shows a plant cell.

(15)



(i) Name the part of the cell labelled A in the diagram.

Name _____

(ii) Name the part of the cell labelled B in the diagram.

Name _____

(iii) Name **one** part found in a plant cell which you would not expect to see in an animal cell.

Name _____

(iv) Iodine stain is sometimes added to a piece of onion skin when preparing a slide of plant cells.

Why is the iodine used?

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(1)

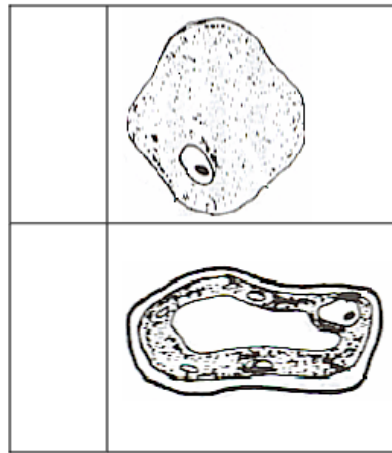
(2)

Question 2

- (b) The diagram shows an animal cell and a plant cell.

Write the letter **P** beside the plant cell in the table on the right.

Write the letter **A** beside the animal cell in the table on the right.



(6)

Question 3

- (b) Humans are composed of cells, tissues, organs and systems.
What is meant by each of these terms?

(12)

Cell _____

Tissue _____

Organ _____

System _____

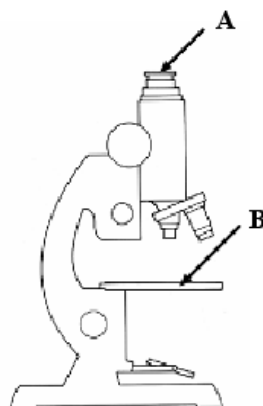
Question 4

(b) The diagram shows a laboratory microscope.

- (i) What are the **functions** of parts labelled **A and B**? (6)

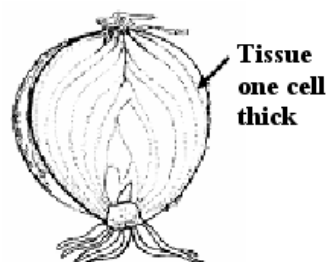
Function of A _____

Function of B _____



- (ii) Onion epidermis is a tissue only one cell thick. It is used in school laboratories on microscope slides to investigate plant cell structure using a microscope.

Describe how to **prepare a microscope slide** from a plant tissue. (6)



- (iii) Draw a **labelled diagram**, in the box provided, of a **plant cell**. (9)

Labelled diagram

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(1) (2)