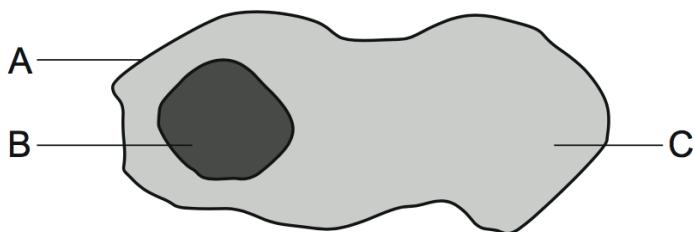


## B3.1 Pre-Unit Quiz

1. The diagram below shows a cell.



- (a) What is the name of the part labelled A? [1]

Tick () **one** box.

(a) Cell wall

(b) Cytoplasm

(c) Cell membrane

- (b) What is the function of the part labelled B? [1]

Tick () **one** box.

(a) Controls what enters and leaves the cell

(b) Contains DNA and controls activities in the cell

(c) Makes food for the cell using light

2. Which statement is correct about cytoplasm?

[1]

Tick () **one** box.

(a) Cytoplasm is only found in animal cells

(b) Cytoplasm is only found in plant cells

(c) Cytoplasm is found in **both** animal cells and plant cells

3. A type of yeast is used to bake bread. The yeast is made of single cells. Which statement **best** describes these yeast cells?

[1]

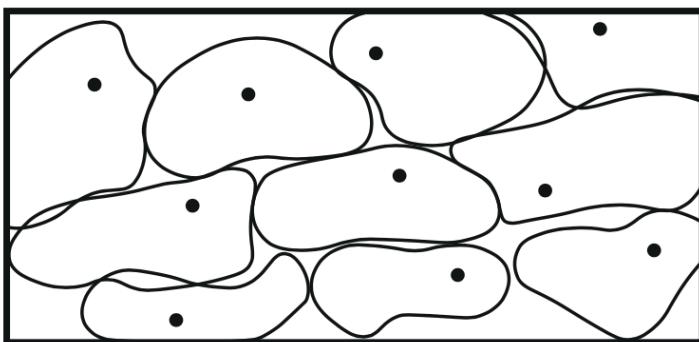
Tick () **one** box.

(a) Yeast is a unicellular organism

(b) Yeast is a multicellular organism

(c) Yeast is made of plant cells

4. A student uses a microscope to magnify a specimen from a leaf. Iodine solution is used to stain the specimen. The drawing below shows what the student saw in the microscope.



(a) Describe how this scientific drawing could be improved. [1]

Tick () **one** box.

- (a) Draw more cells so more of the tissue can be seen

- (b) Increase the magnification

- (c) Add labels for the nucleus, cell membrane and cytoplasm

(b) Why are microscopes needed to see cells? [1]

Tick () **one** box.

- (a) Cells are see-through so cannot be seen by eye

- (b) Cells are too small to be seen by eye

- (c) Cells can only be seen on a slide

(c) How would the student magnify one cell to study it in more detail? [1]

Tick () **one** box.

- (a) Move the coarse focus wheel

- (b) Change the eye piece lens to a greater magnification

- (c) Change the objective lens to a greater magnification

- (d) The student thinks that the dot seen in each cell is a chloroplast.  
Do you agree with the student?

[1]

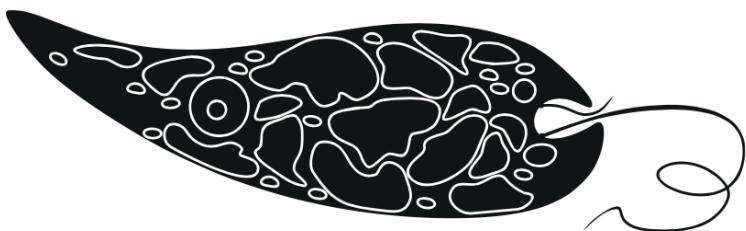
Tick () **one** box.

(a) Yes

(b) No

(c) Need more information

5. The diagram below shows a cell called Euglena.



- (a) How is the cell adapted for moving?

[1]

Tick () **one** box.

(a) It has a tail

(b) It moves to get food

(c) It is a sperm cell



(b) The cell makes food using sunlight.  
Which part of the cell carries this process out?

[1]

Tick () **one** box.

(a) Cytoplasm

(b) Chloroplast

(c) Vacuole

Total = \_\_\_ /10