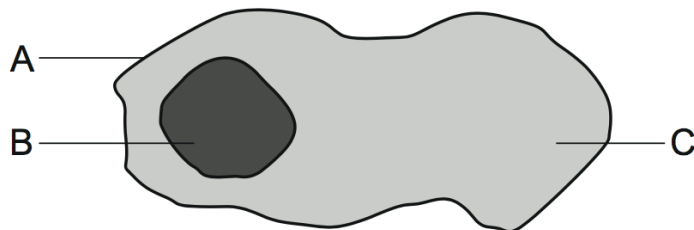


B3.1 Pre-Unit Quiz

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 | <input type="checkbox"/> |
| (b) Cytoplasm is only found in plant cells | <input type="checkbox"/> |
| (c) Cytoplasm is found in both animal cells and plant cells | <input type="checkbox"/> |

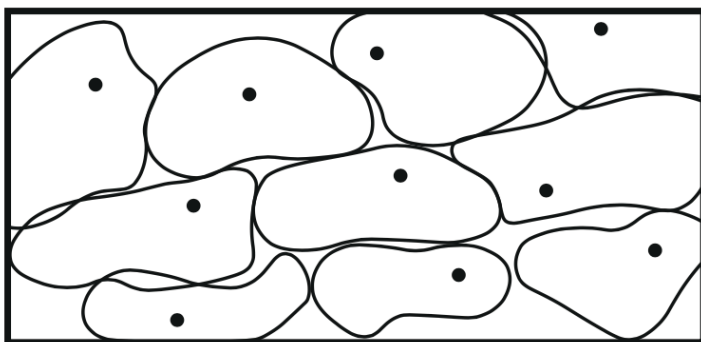
3. A type of yeast is used to bake bread. The yeast is made of single cells. Which statement **best** describes these yeast cells?

[1]

Tick (✓) **one** box.

- | | |
|---------------------------------------|--------------------------|
| (a) Yeast is a unicellular organism | <input type="checkbox"/> |
| (b) Yeast is a multicellular organism | <input type="checkbox"/> |
| (c) Yeast is made of plant cells | <input type="checkbox"/> |

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

☐

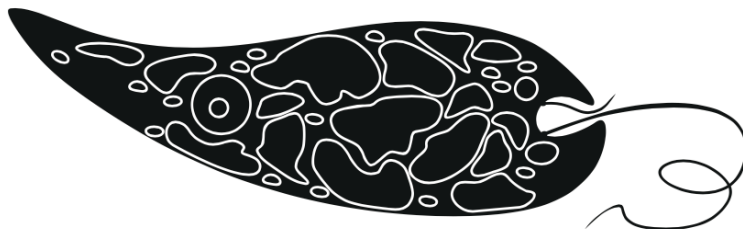
(b) No

☐

(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