

Biology  
PAPER 1  
Higher Tier

Friday 10 May 2024 – Morning

Time: 1 hour 45 minutes

Diagram Booklet

THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

In the boxes below, write your name, centre number and candidate number.

|                  |  |  |  |  |  |
|------------------|--|--|--|--|--|
| Surname          |  |  |  |  |  |
| Other names      |  |  |  |  |  |
| Centre Number    |  |  |  |  |  |
| Candidate Number |  |  |  |  |  |

## **INSTRUCTIONS**

**There may be spare copies of some diagrams in case you need them.**

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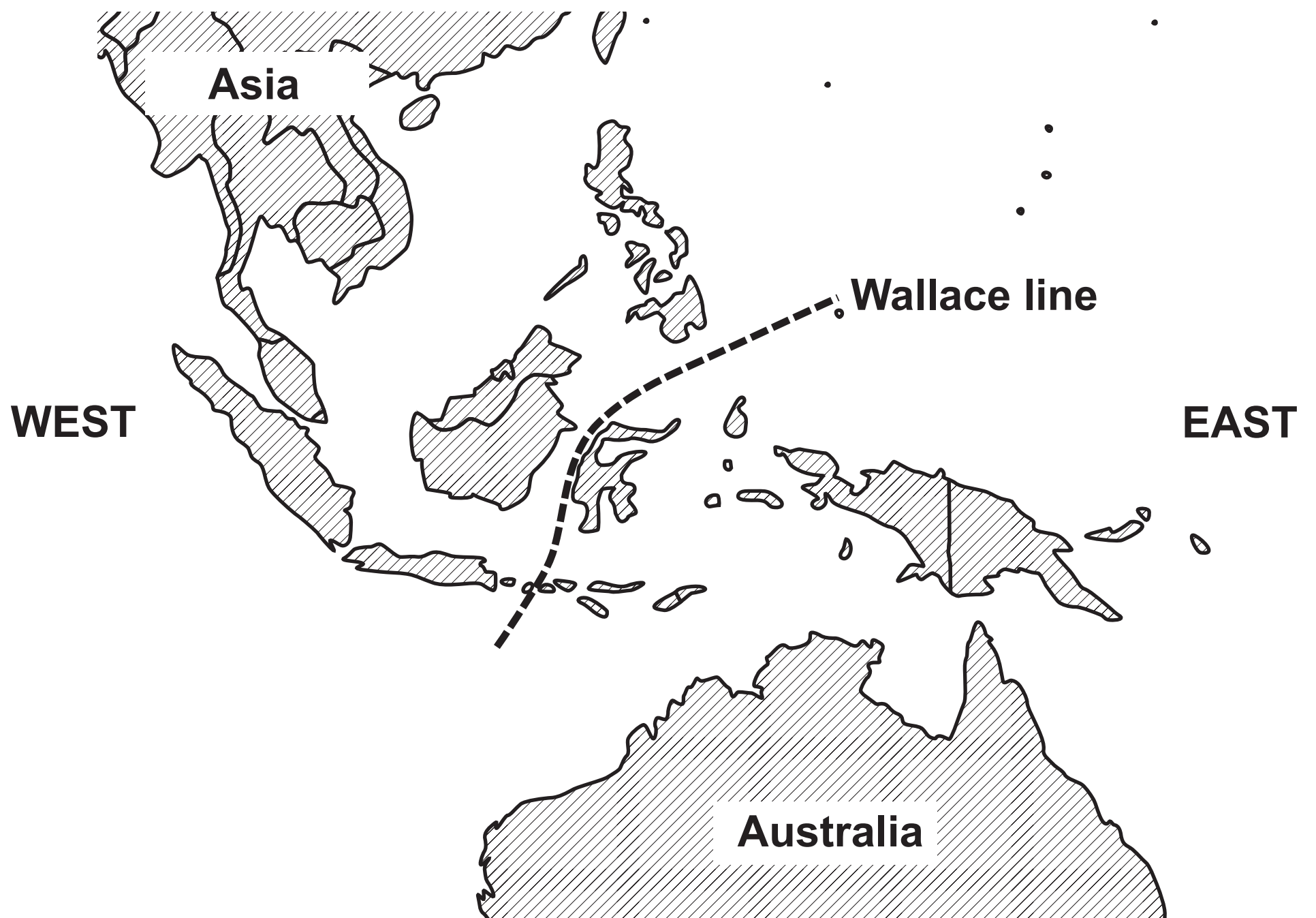
### **Spare Copies**

|           |                           |
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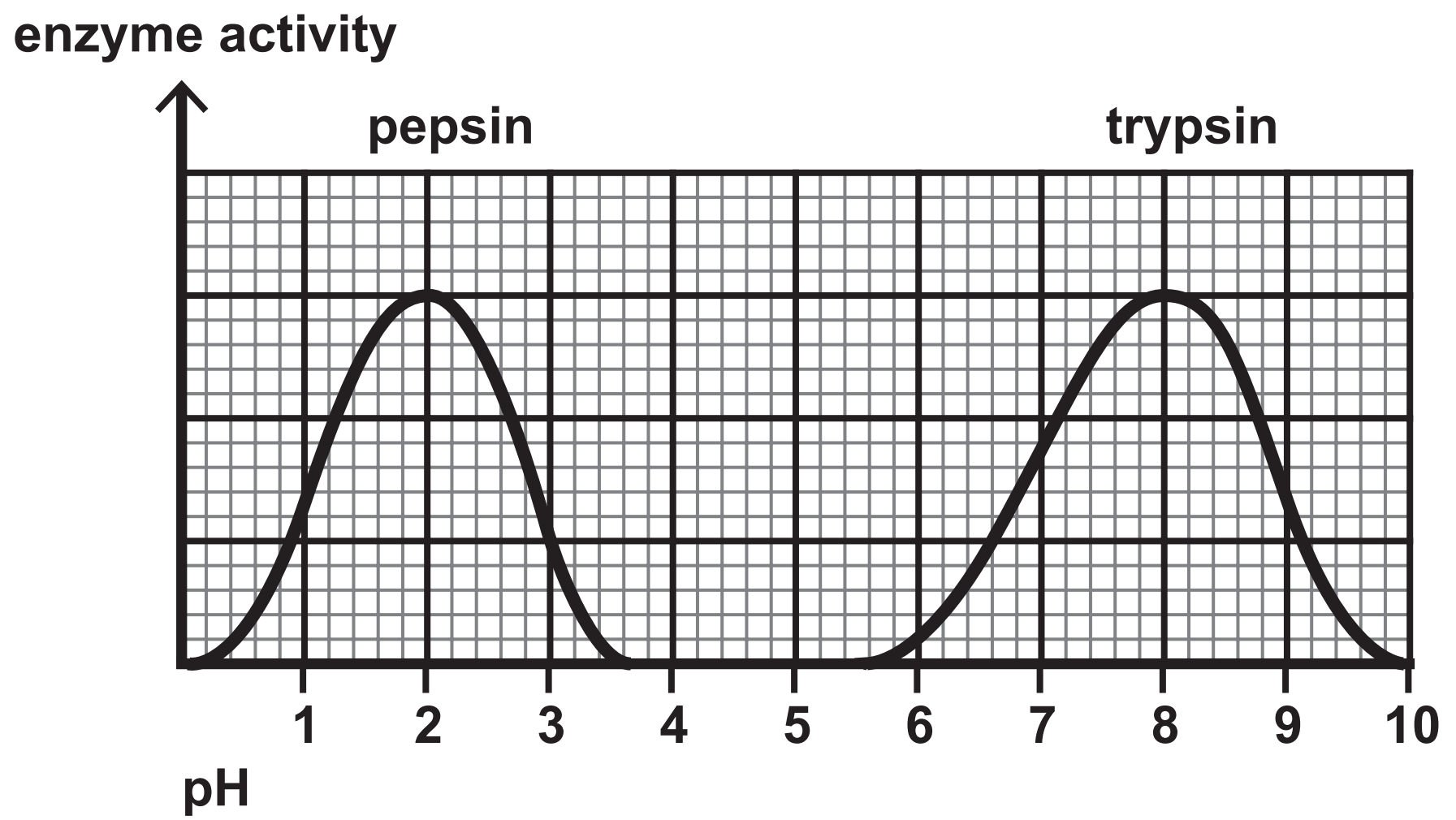
## Question 1(b)

FIGURE 2



## Question 2(a)

FIGURE 3



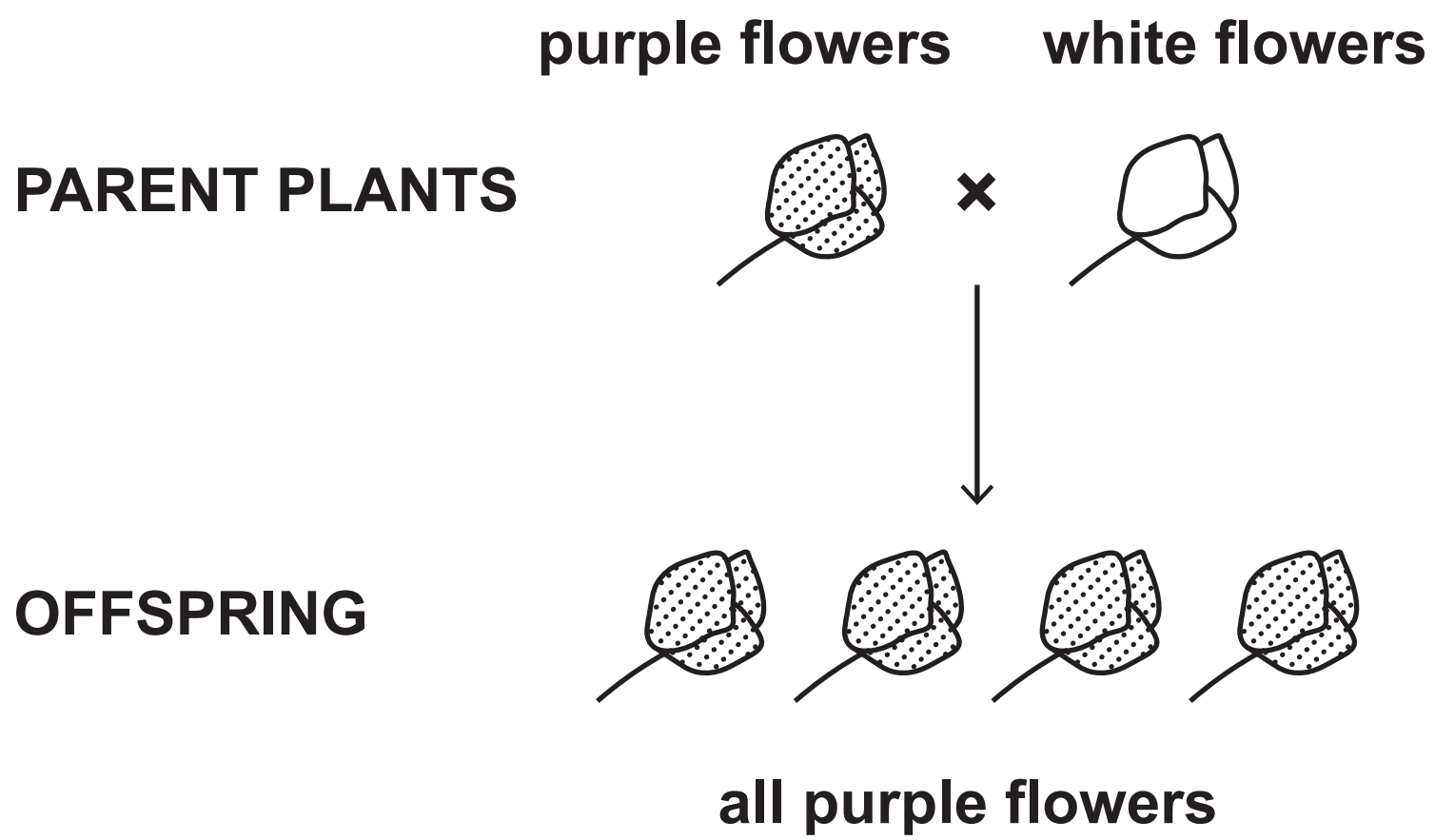
Question 3(b)

FIGURE 4

| year | number of measles cases reported |
|------|----------------------------------|
| 1985 | 97 408                           |
| 1995 | 7 447                            |
| 2005 | 2 089                            |
| 2015 | 1 193                            |

## Question 4(a)

FIGURE 5

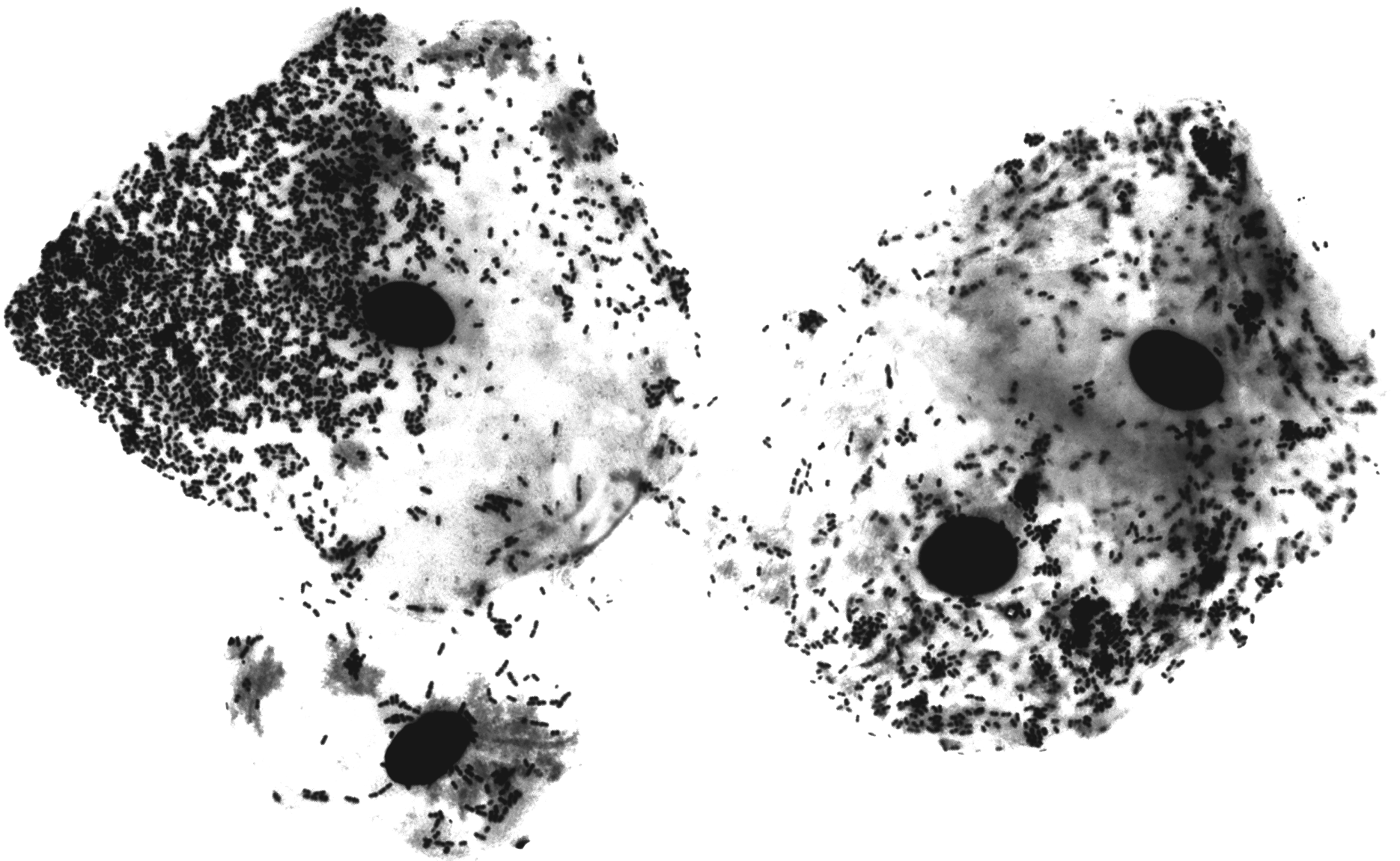


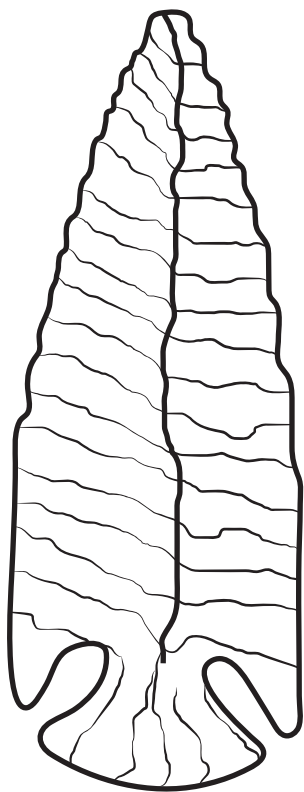
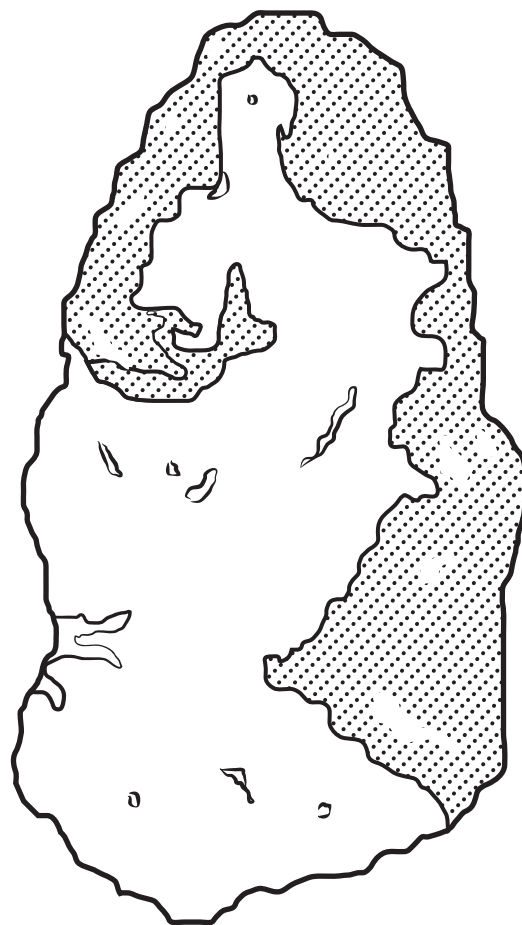
Question 4(a)(iii)

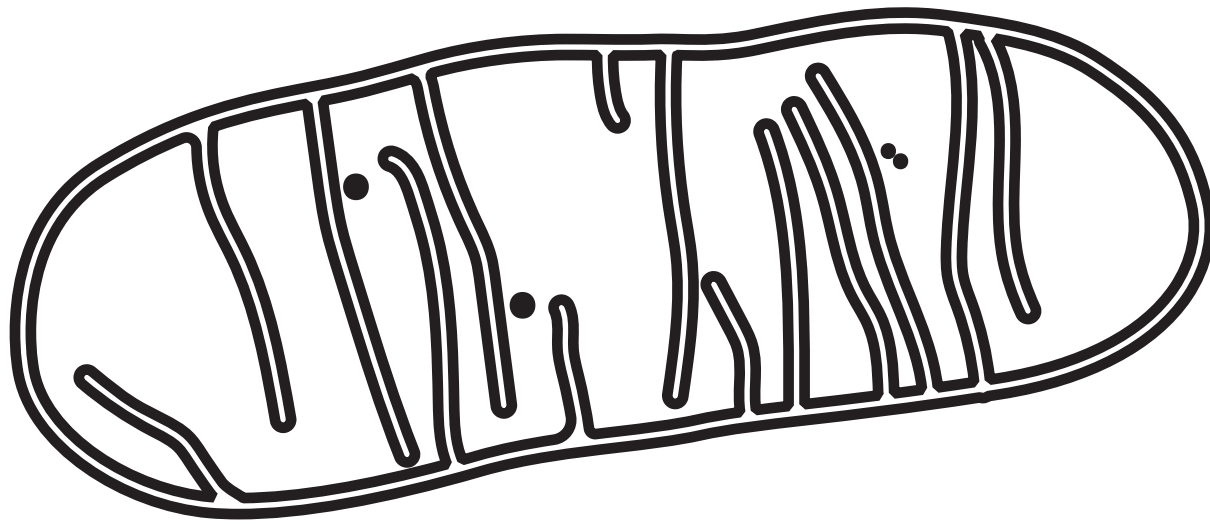
|                |   |               |  |
|----------------|---|---------------|--|
|                |   | white flowers |  |
|                |   |               |  |
| purple flowers | A |               |  |
|                | a |               |  |

Question 5(a)(ii)

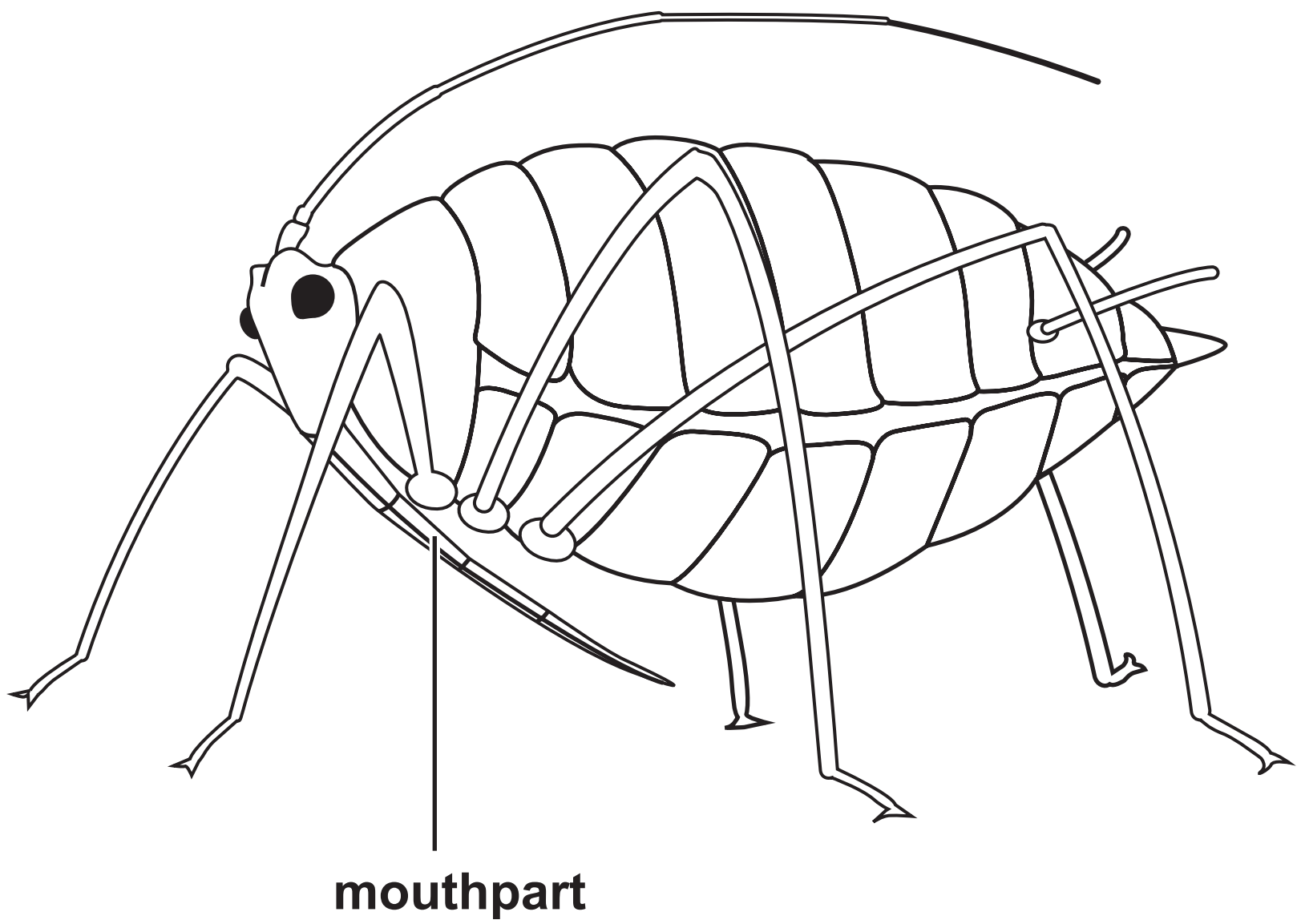
FIGURE 6



**Question 6(a)****FIGURE 7****TOOL A****TOOL B**

**Question 6(c)****FIGURE 8**



**Question 7(a)****FIGURE 9**

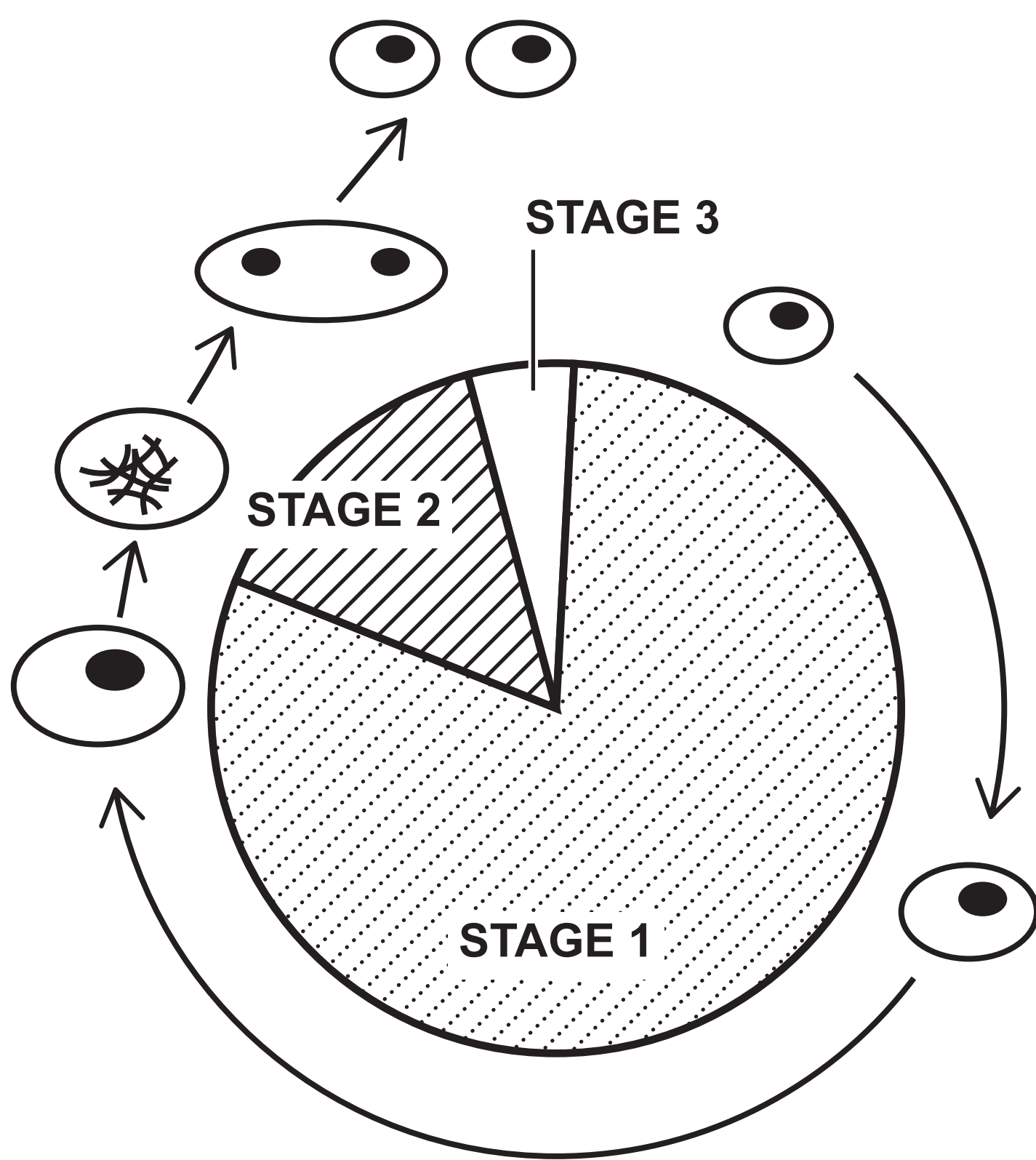
Question 8(b)

FIGURE 10

| years after<br>starting to<br>take statins<br>or placebo | people reporting<br>muscle pain<br>taking statins (%) | people reporting<br>muscle pain<br>taking placebo (%) |
|--|---|---|
| 1  | 14·8  | 14·0  |
| 2  | 7·4   | 7·5   |
| 3  | 5·1   | 5·3   |
| 4  | 3·0   | 3·1   |

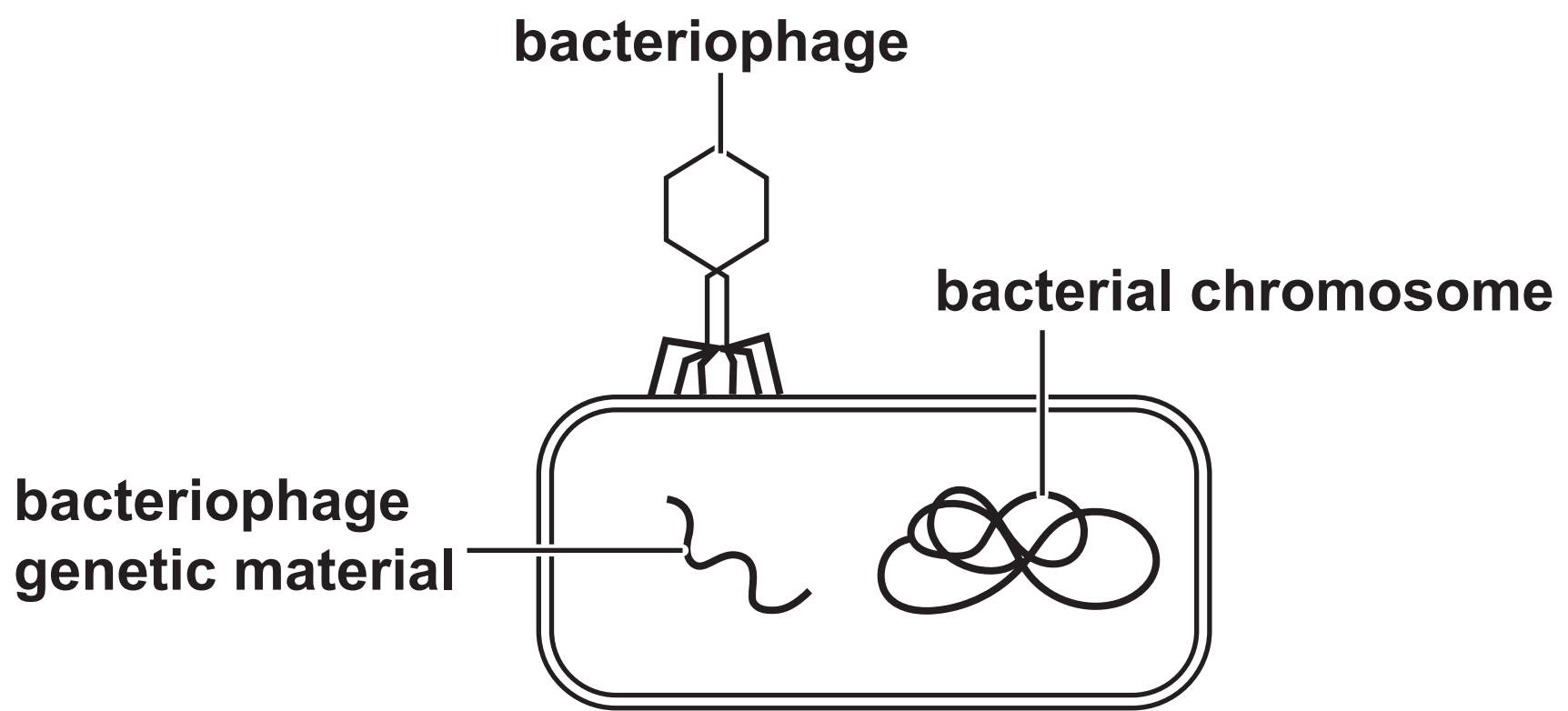
Question 9(a)

FIGURE 11



## Question 10(c)

FIGURE 12



Question 4(a)(iii)

|                |   |               |  |
|----------------|---|---------------|--|
|                |   | white flowers |  |
|                |   |               |  |
| purple flowers | A |               |  |
|                | a |               |  |

**Question 1(b)**

**Source: <https://www.dailymail.co.uk/sciencetech/article-4279382/Animal-evolution-shaped-movements-Earth.html>)**

**Question 5(a)(ii)**

**(Source adapted from: © STEVE GSCHMEISSNER/SCIENCE PHOTO LIBRARY)**

**Question 6(c)**

**(Source adapted from: © CNRI/SCIENCE PHOTO LIBRARY)**

**Question 7(a)**

**(Source: <http://www.biology-resources.com/drawing-aphid-wingless.html>)**