

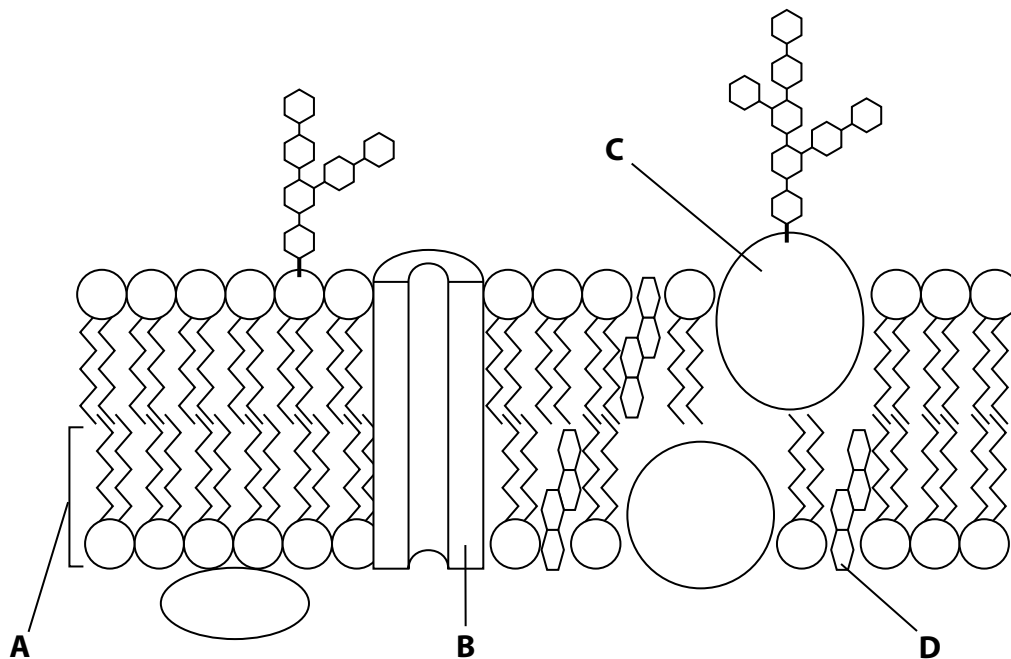
Answer ALL questions.

Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 Cell membranes are involved in the transport of molecules.

The diagram shows the structure of a cell membrane.



(a) Which letter in the diagram labels a phospholipid?

(1)

- A
- B
- C
- D

(b) Which of the following statements is true about a phospholipid?

(1)

- A it has a hydrophobic tail of three fatty acids
- B it has a hydrophilic tail of three fatty acids
- C it has a hydrophobic tail of two fatty acids
- D it has a hydrophilic tail of two fatty acids

(c) Describe how the structure labelled **B** is involved in passive transport.

(3)

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(Total for Question 1 = 5 marks)
