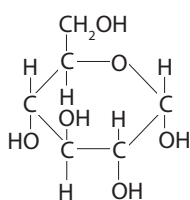


Answer ALL questions.

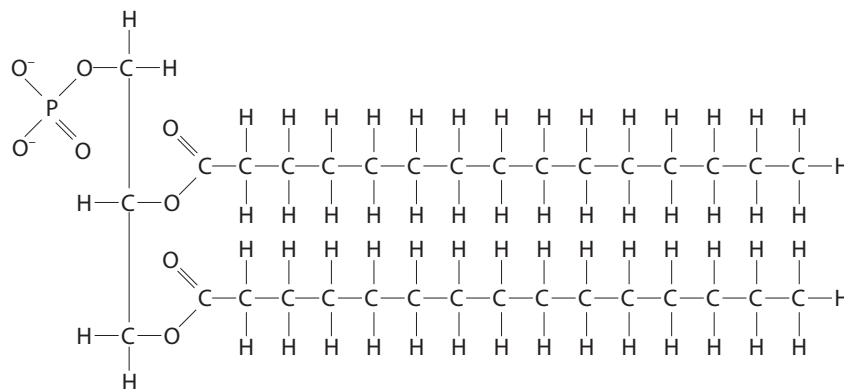
Write your answers in the spaces provided.

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 .

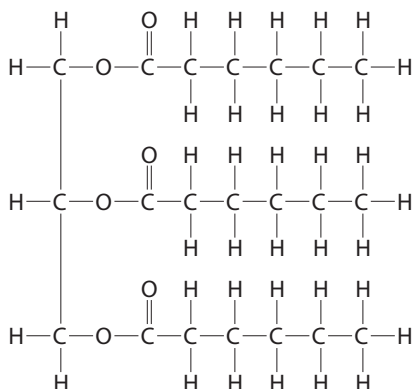
1 The diagram shows four molecules that can be found in living organisms.



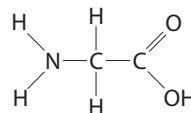
A



B



C



D

(a) (i) How many of these molecules contain three elements only?

- A** one
- B** two
- C** three
- D** four

(1)

(ii) State how an unsaturated lipid differs from molecule **C**.

(1)

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(iii) Which of these molecules is transported by tRNA?

(1)

- A
- B
- C
- D

(iv) Which of these molecules could be joined to another molecule of the same type by a peptide bond?

(1)

- A
- B
- C
- D

(v) Which of these molecules is a component of maltose?

(1)

- A
- B
- C
- D

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P 5 1 7 9 5 A 0 3 2 8

(b) Diffusion and active transport are mechanisms by which molecules can enter cells.

Compare and contrast these two mechanisms.

(3)

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(Total for Question 1 = 8 marks)

