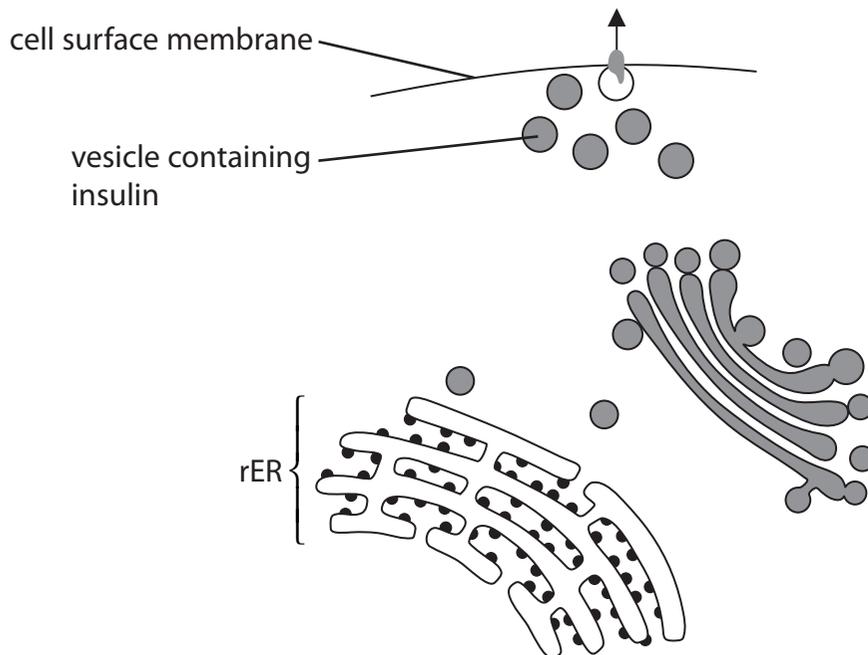


2 Insulin is a protein produced by beta cells in the pancreas. Insulin is synthesised on ribosomes, then modified and packaged in vesicles. It is stored in these vesicles until it is secreted.

The diagram below shows the organelles involved in this process of modifying and packaging the insulin in vesicles.



*(a) Using the information in the diagram, describe how insulin is modified, packaged and secreted by the cell.

(4)

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