

3. (a) Identify the organelles (structures inside a cell) which fit the descriptions given in the table below. The first one has been done for you.

	Description	Name of organelle
i	Where photosynthesis takes place and carbon dioxide is converted into sugar	<i>chloroplast</i>
ii	Where aerobic respiration takes place	
iii	Where amino acids are joined together to form proteins	
iv	Packages proteins into vesicles so that they can be released from the cell by exocytosis	
v	A large space inside a plant cell surrounded by a tonoplast and helping to maintain cell turgidity	
vi	Divides and organises a spindle in an animal cell as it starts to undergo mitosis	

(5)

(b) Describe the structure of pits in plant cells and explain their function.

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(2)

(c) Give **two** ways in which the structure of a prokaryotic cell differs from a eukaryotic cell.

1. ....

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2. ....

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(2)

(Total 9 marks)

Q3

