

**AQA, OCR, Edexcel**

# GCSE Science

## GCSE Biology

### Active Transport Questions

Name:

**M M E**

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Total Marks: /21

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Q1: Give a definition of active transport.

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(1 mark)

Q2: What is the difference between active transport and osmosis?

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(2 marks)

Q3: What proteins do cells use to move molecules across the concentration gradient in active transport?

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(1 mark)

Q4: i) How do plants make use of active transport in ion uptake?

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(1 mark)

ii) Why do plants require ions?

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(1 mark)

Q5: The human body also uses active transport to move sugar molecules. Where does the body get sugar molecules from and why are they needed?

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(2 marks)

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Q6: Explain the differences and similarities between osmosis, diffusion and active transport.

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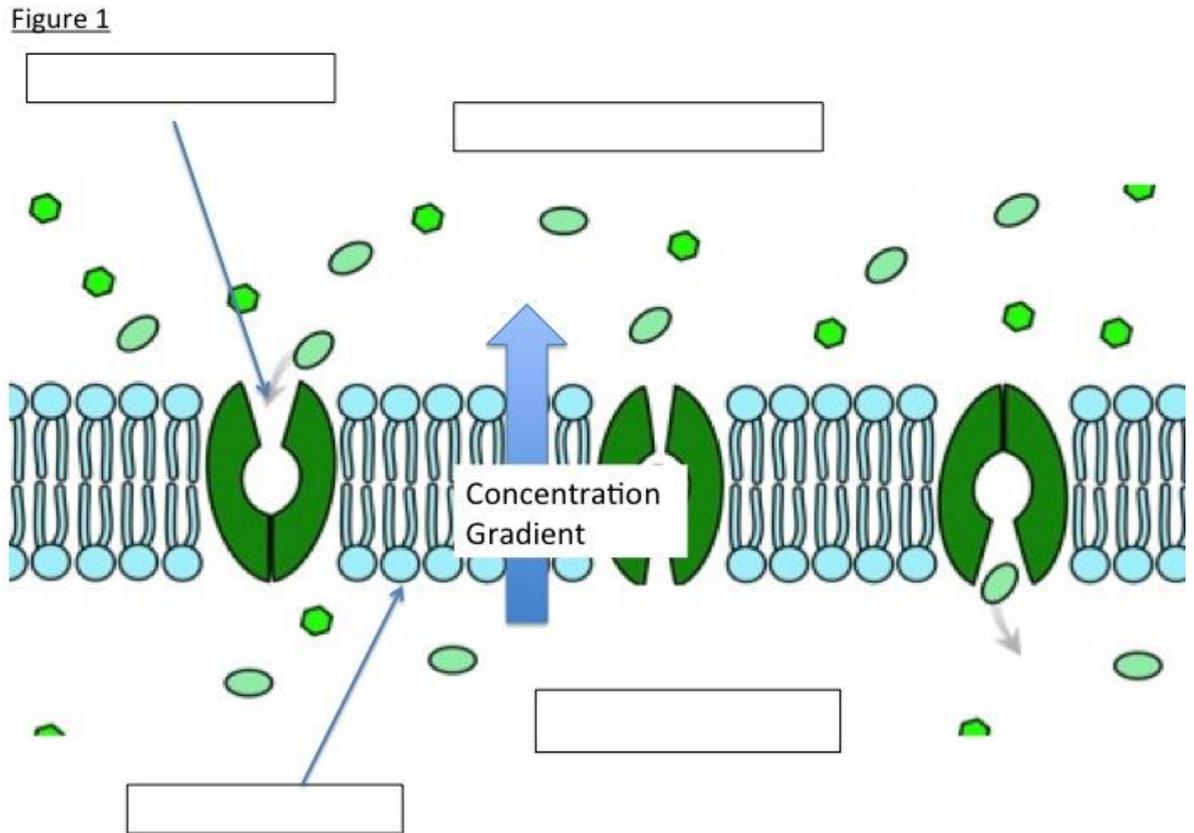
(6 marks)

Q7: What method is used to carry glucose into the blood stream?

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(1 mark)

Q8: Figure 1 shows the process of active transport. Fill in the following labels and show the correct movement of molecules. Include inside and outside of the cell as two of your answers.



(4 marks)

Q9: What part of the plant takes up ions from water in the soil?

\_\_\_\_\_ (1 mark)

Q10: Give an example of human cells that use active transport.

\_\_\_\_\_ (1 mark)