

- (c) Mr Jones has an old gardening book which says that tomato plants need nitrate fertiliser if they are to grow properly. Plants need nitrate to make chlorophyll.

(i) Describe the effects on the plant of depriving it of nitrate.

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(2)

Mr Jones dissolves the fertiliser in water and adds it to the soil with a watering can.

(ii) Describe how the nitrate gets from the soil to the leaves of the plant.

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(4)