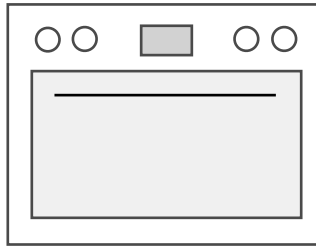


1 The diagram shows a household gas oven. The oven is fan-assisted which means there is a fan inside which can be switched on or off.

The oven is heated by gas burners located at the bottom.



1 (a) (i) Explain how heat is transferred by convection from the gas flame at the bottom of the oven to food at the top of the oven. **[5 marks]**

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1 (a) (ii) Food can be cooked on two shelves, one at the at the top and one at the bottom of the oven.

Suggest why the fan should be switched on when food is being cooked on the two shelves. **[1 mark]**

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(Total 6 marks)

End