

- 9 A simple transformer is illustrated in Fig. 9.1.

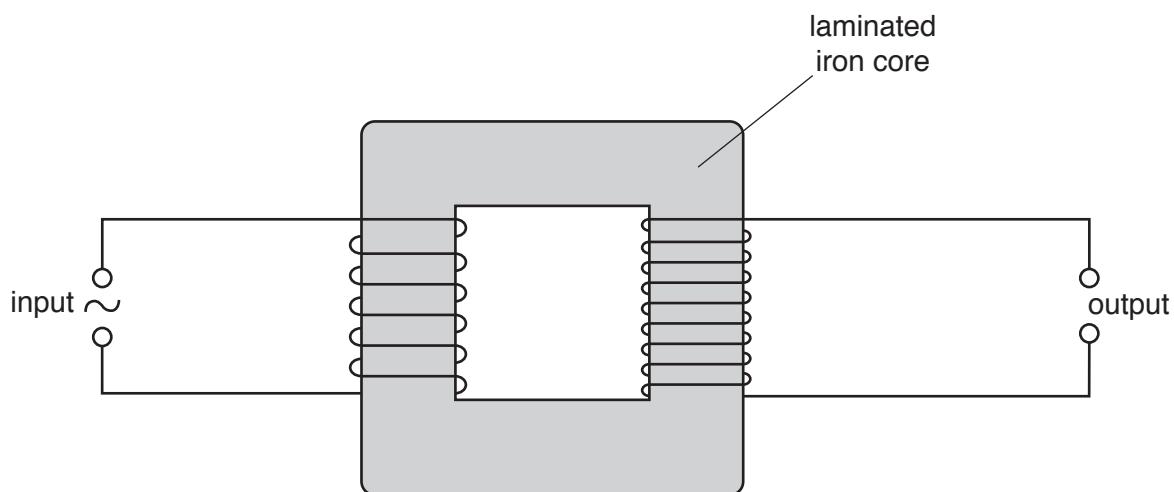


Fig. 9.1

- (a) (i) State why the transformer has an iron core, rather than having no core.

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[1]

- (ii) Explain why the core is laminated.

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[2]

- (b) By reference to the action of a transformer, explain why the input to the transformer is an alternating voltage, rather than a constant voltage.

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[3]

[Total: 6]

