

- 8 (a) Describe how two magnets can be arranged to produce a uniform magnetic field.

You may draw a diagram to support your answer.

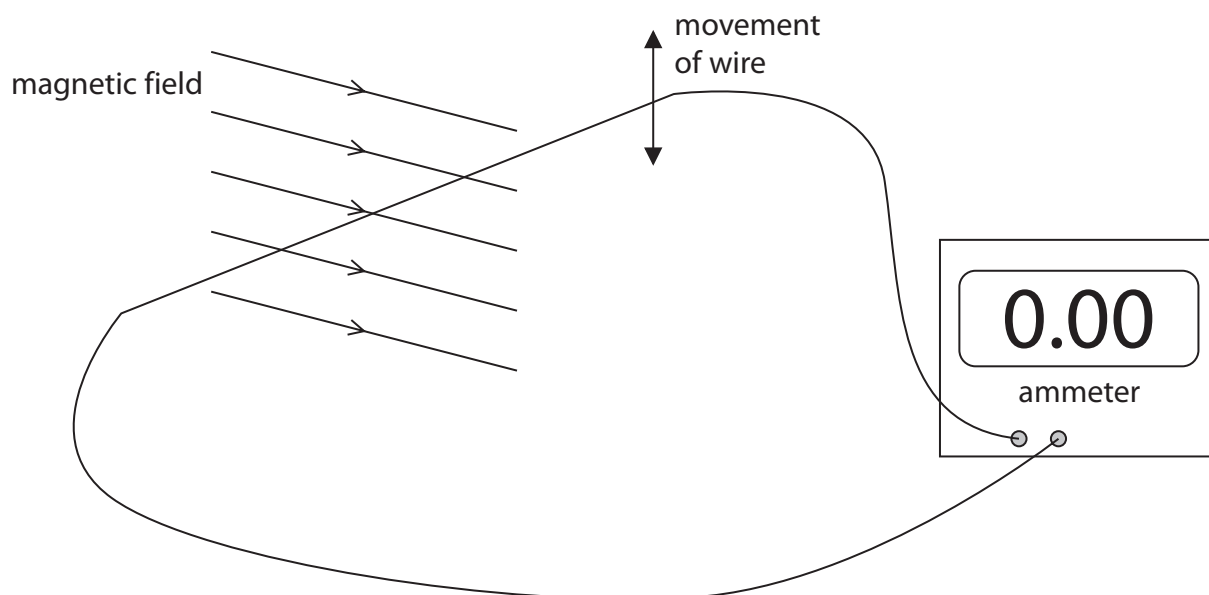
(2)

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- (b) The diagram shows a wire in a uniform magnetic field.



- (i) The wire is moved up and down repeatedly in the magnetic field.

Explain the effect that this movement has on the ammeter reading.

(3)



- (ii) Explain the effects on the ammeter reading of moving the wire with the same amplitude but at a higher frequency.

(4)

(Total for Question 8 = 9 marks)

