

- 8 (a) The diagram shows a bar magnet.

Draw four magnetic field lines around the bar magnet.

(3)



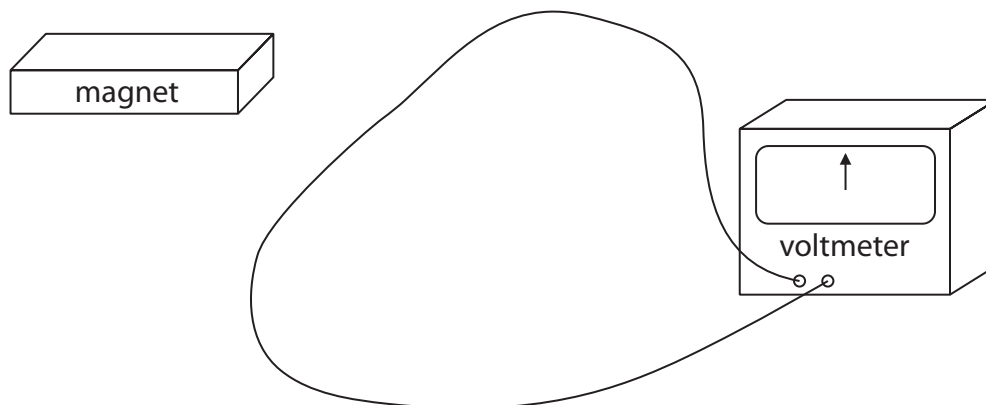
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(b) The diagram shows a loop of wire connected to the terminals of a voltmeter.



Explain why the voltmeter reading changes from zero when the magnet is moved near the loop of wire.

(2)

(Total for Question 8 = 5 marks)



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