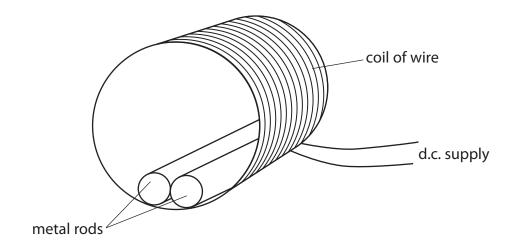
7 The diagram shows two identical metal rods placed inside a coil of wire.



(a) When a direct current is supplied to the coil, a magnetic field forms and the metal rods move apart.

	Explain	why the	metal	rods	move	apart.
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(2)

(b) When the current is switched off, the metal rods return to their starting places.

Suggest what material the metal rods are made from.

Explain your answer.

(3)



Explain what will happen to the magnetic field.	
	(2)
	(Total for Overtion 7 - 7 montes)
	(Total for Question 7 = 7 marks)

