

2 A student uses iron filings to investigate the magnetic field pattern around a bar magnet.

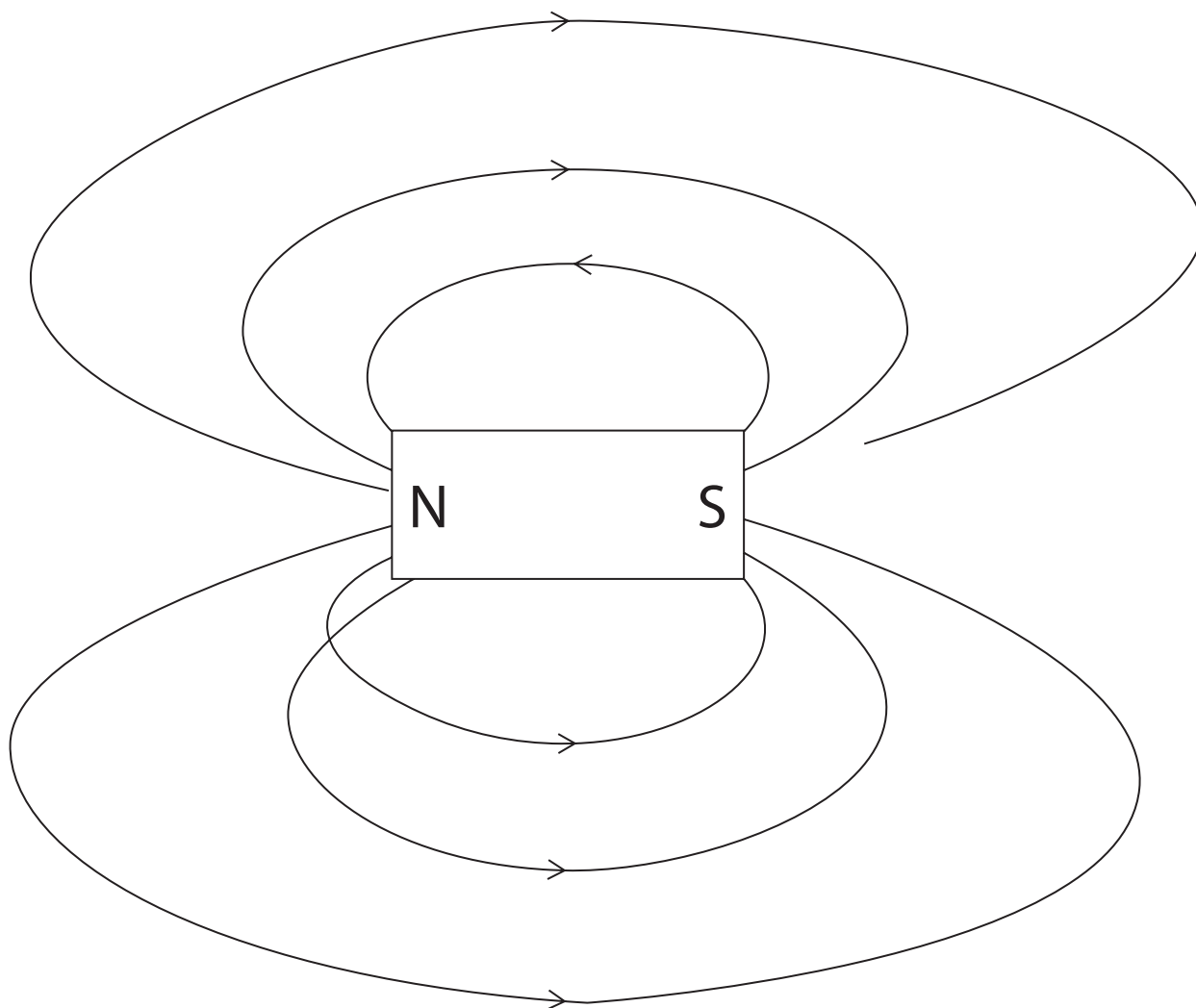
(a) Name the apparatus that the student could use to find the direction of the field lines.  
(1)

(b) The student draws a diagram of the magnetic field pattern of the magnet.

The student makes three mistakes.

Draw a circle around each mistake on the diagram.

(3)



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(c) The magnet is made of a magnetically hard material.

Describe what is meant by the term **magnetically hard**.

(2)

(Total for Question 2 = 6 marks)

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