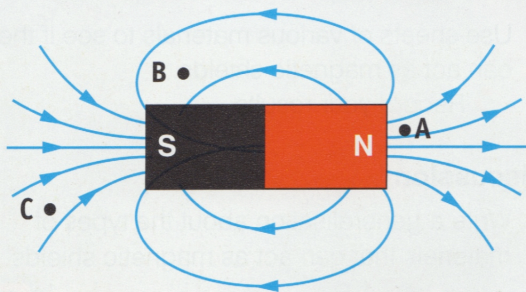




Check!

- 1 What is a magnetic field? Can you see one? Explain.
- 2 The diagram shows a magnet and its magnetic field. **A**, **B** and **C** are steel ball bearings.
 - a Which ball bearing does the magnet attract most strongly? Which does it attract the least?
 - b In which position is the magnetic field strongest? Where is it weakest?



- 3 What makes a compass needle point to the north?
- 4 How is the magnetic South Pole different from the geographic South Pole?
- 5 Sketch the magnetic field around a horseshoe magnet.
- 6 In which of the following situations would a compass probably give an incorrect reading?
 - a in the bush
 - b in an aluminium dinghy
 - c in a car
 - d near an iron ore mine
- 7 Why is a magnetic compass of little value inside a submarine?